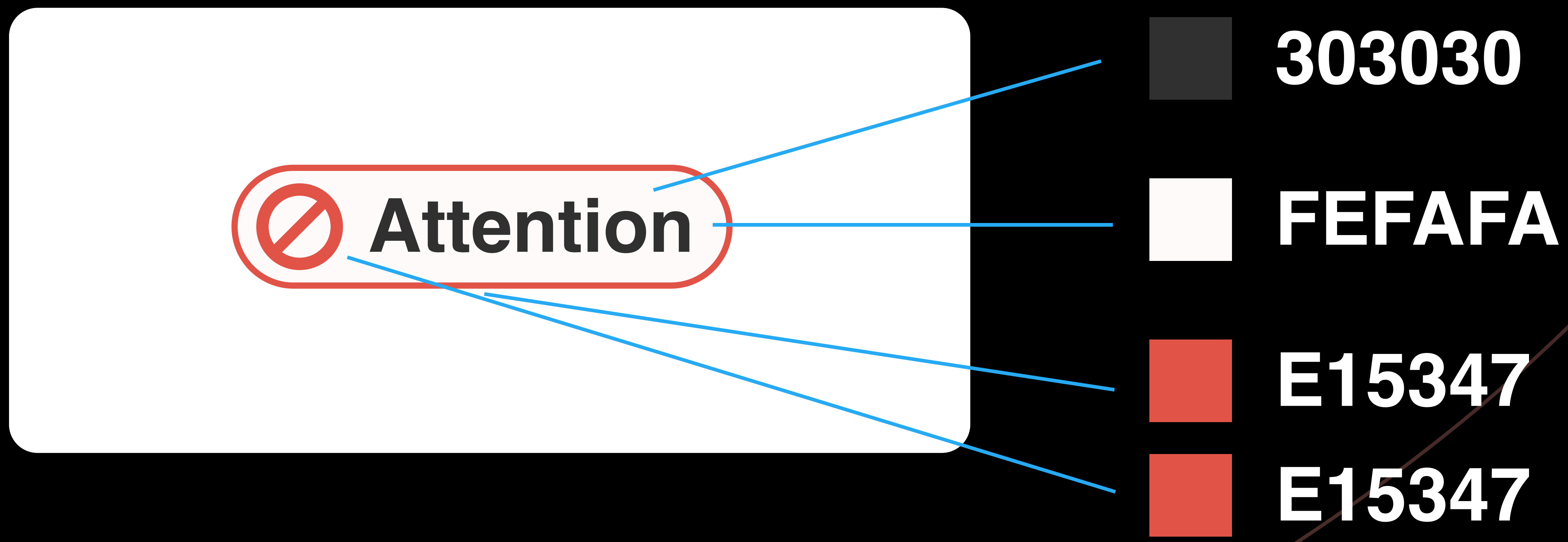
Tokens/Variables

How do they work and why do they matter?

All of the components have styles applied to them.

For one component things are fine...



303030

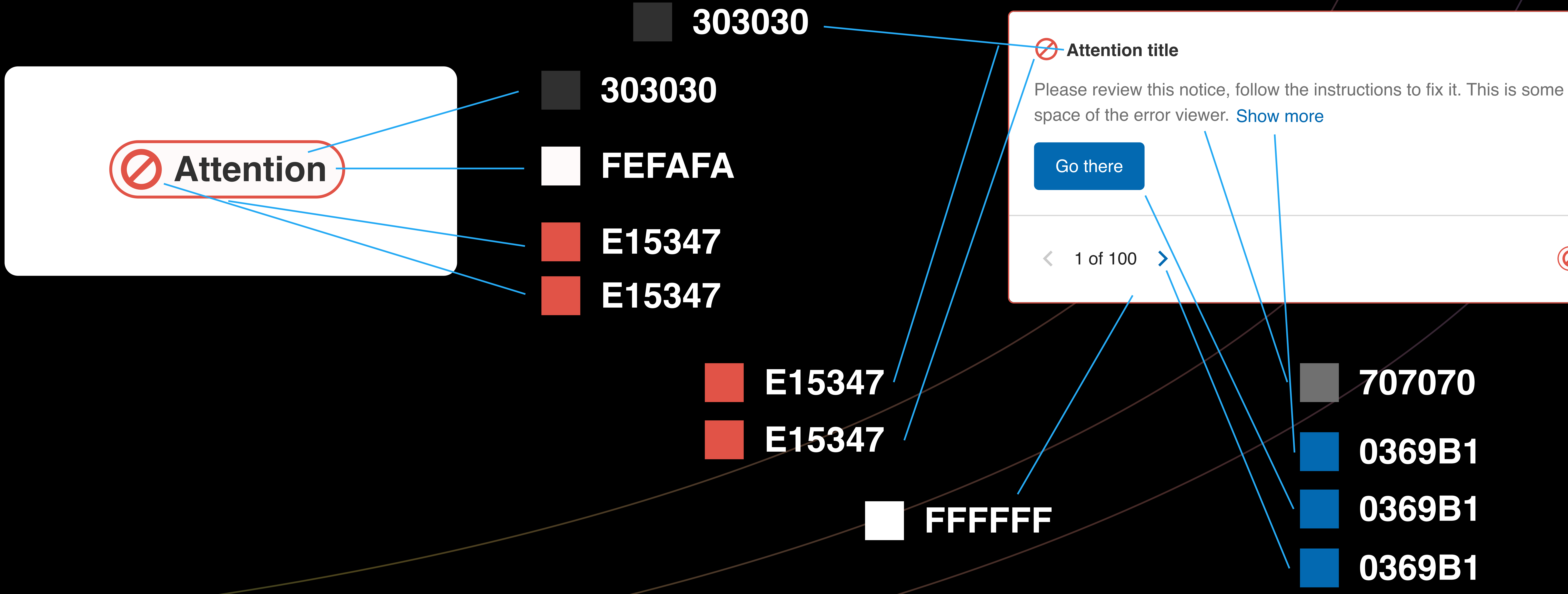
FEFAFA

E15347

E15347

But what if we have other components?

Now we gotta change 12 values!



Attention

⬛ 303030

⬜ FEFAFA

🟥 E15347

🟥 E15347

⬛ 303030

Attention title

Please review this notice, follow the instructions to fix it. This is some

space of the error viewer. Show more

Go there

1 of 100

🟥 E15347

🟥 E15347

⬜ FFFFFF

⬛ 707070

🟦 0369B1

🟦 0369B1

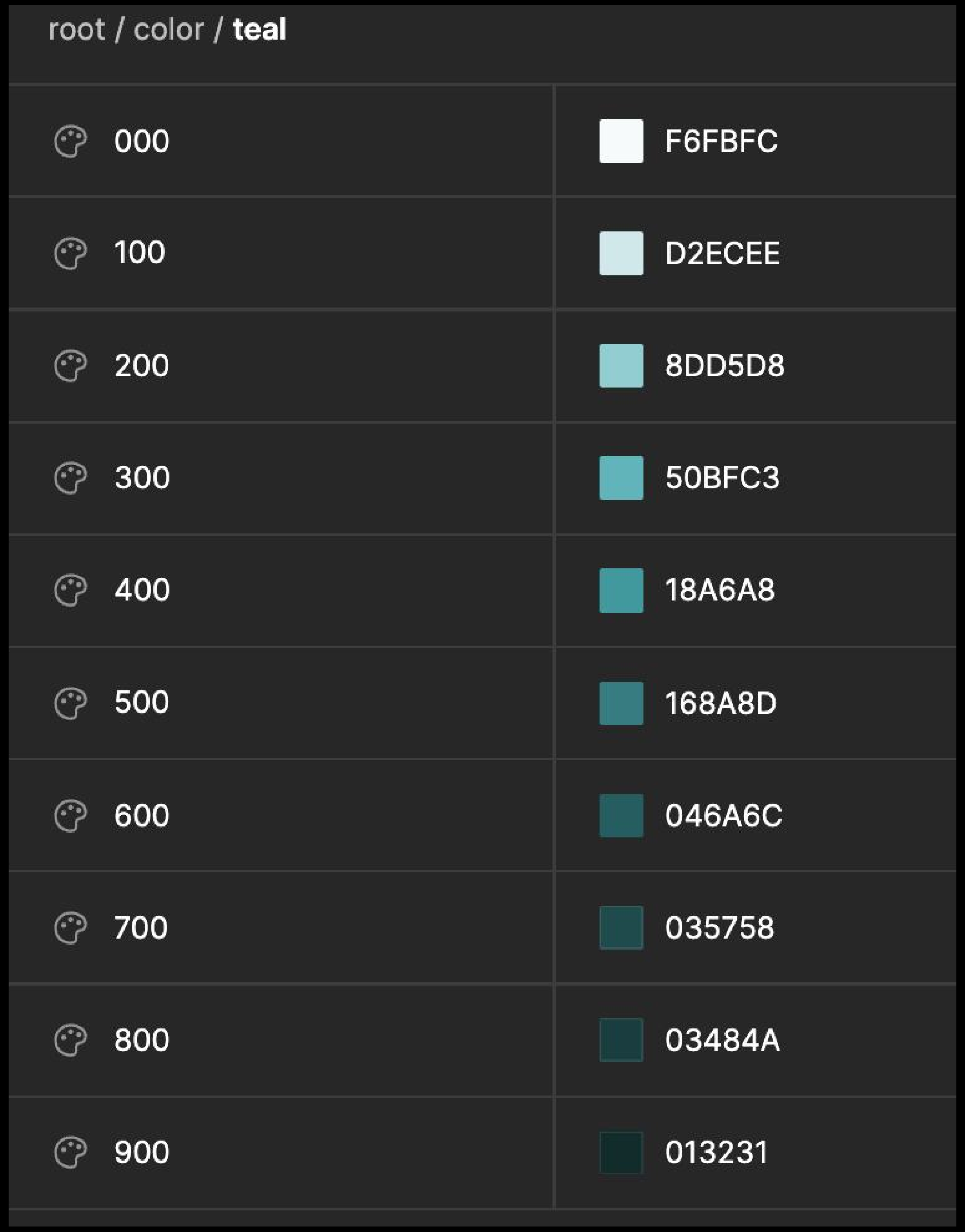
🟦 0369B1

First we want to solidify our styles

⬛	303030	warm-grey-900
⬜	FEFAFA	red-000
🟥	E15347	red-400
⬛	707070	warm-grey-700
🟦	0369B1	blue-600
⬜	FFFFFF	cool-grey-000

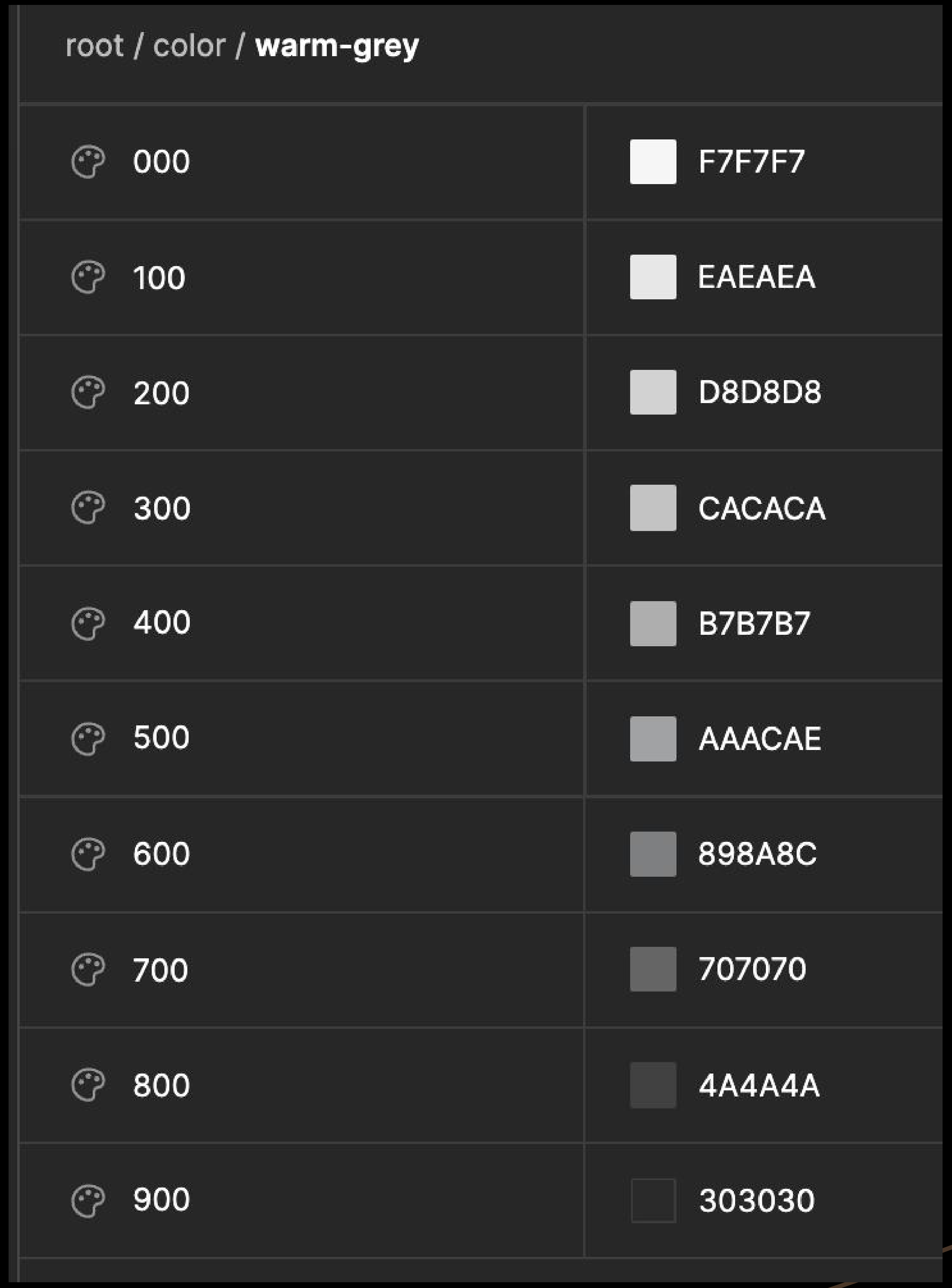
Root Tokens

Might as well do it for the rest of our styles



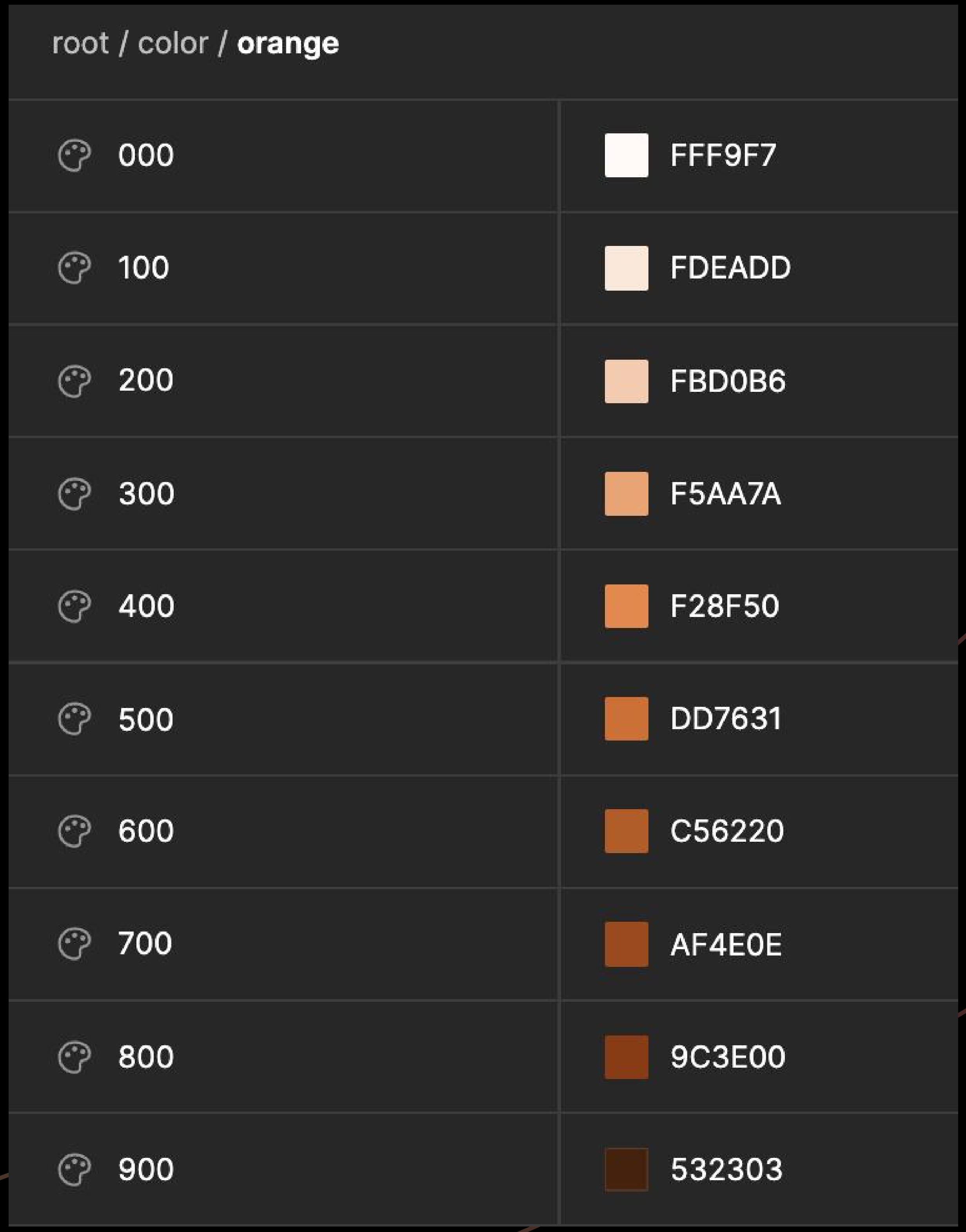
root / color / **teal**

000	F6FBFC
100	D2ECEE
200	8DD5D8
300	50BFC3
400	18A6A8
500	168A8D
600	046A6C
700	035758
800	03484A
900	013231



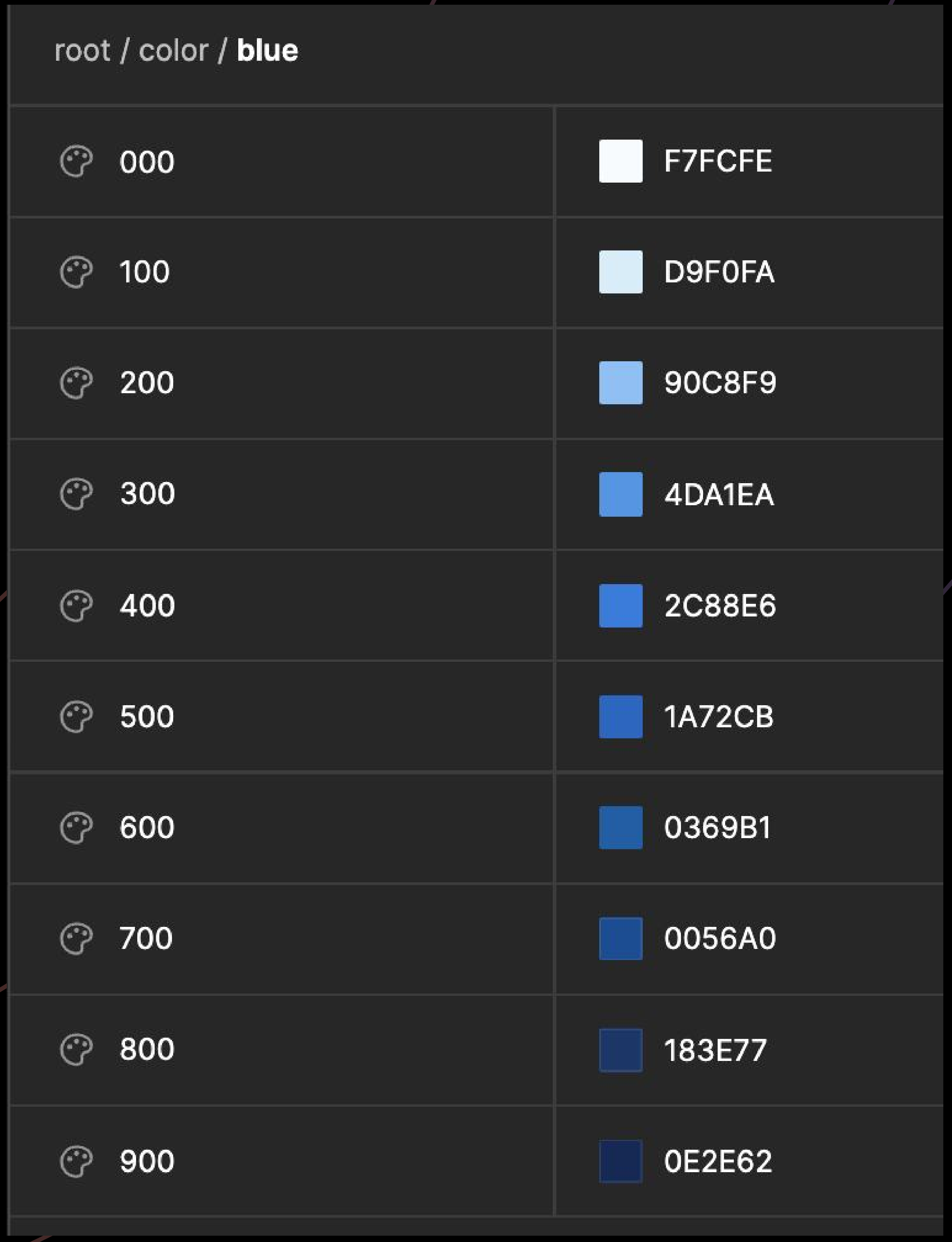
root / color / **warm-grey**

000	F7F7F7
100	EAEAEA
200	D8D8D8
300	CACACA
400	B7B7B7
500	AAACAE
600	898A8C
700	707070
800	4A4A4A
900	303030



root / color / **orange**

000	FFF9F7
100	FDEADD
200	FBD0B6
300	F5AA7A
400	F28F50
500	DD7631
600	C56220
700	AF4E0E
800	9C3E00
900	532303



root / color / **blue**

000	F7FCFE
100	D9F0FA
200	90C8F9
300	4DA1EA
400	2C88E6
500	1A72CB
600	0369B1
700	0056A0
800	183E77
900	0E2E62

Now we can simplify and coordinate color usage
with these root tokens.

Attention

Attention title

Please review this notice, follow the instructions to fix it. This is some extra text to space of the error viewer. Show more

Go there

1 of 100

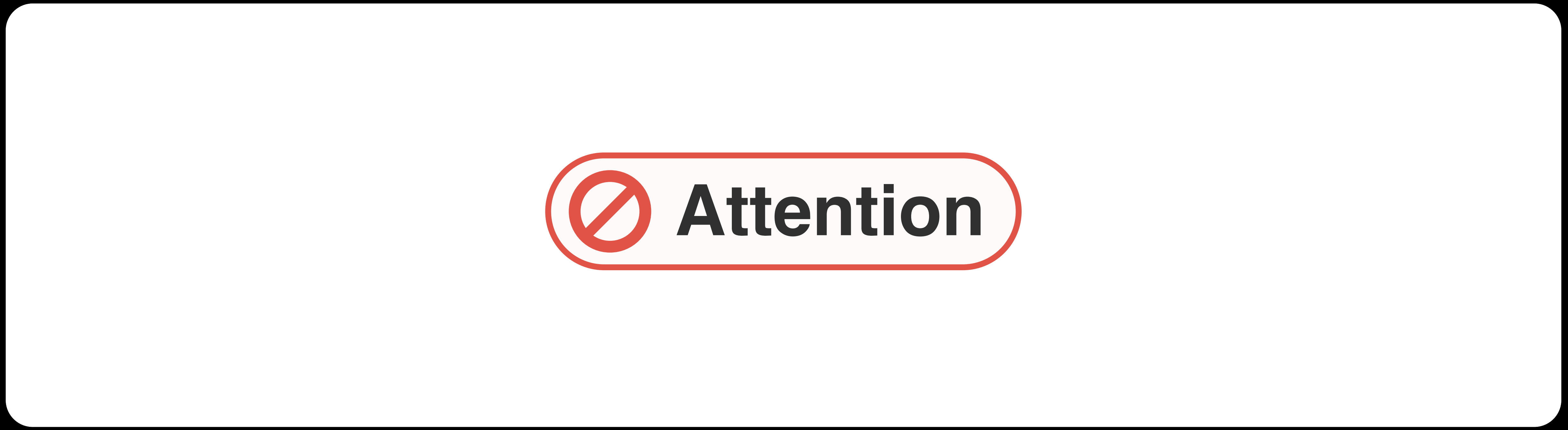
2 2

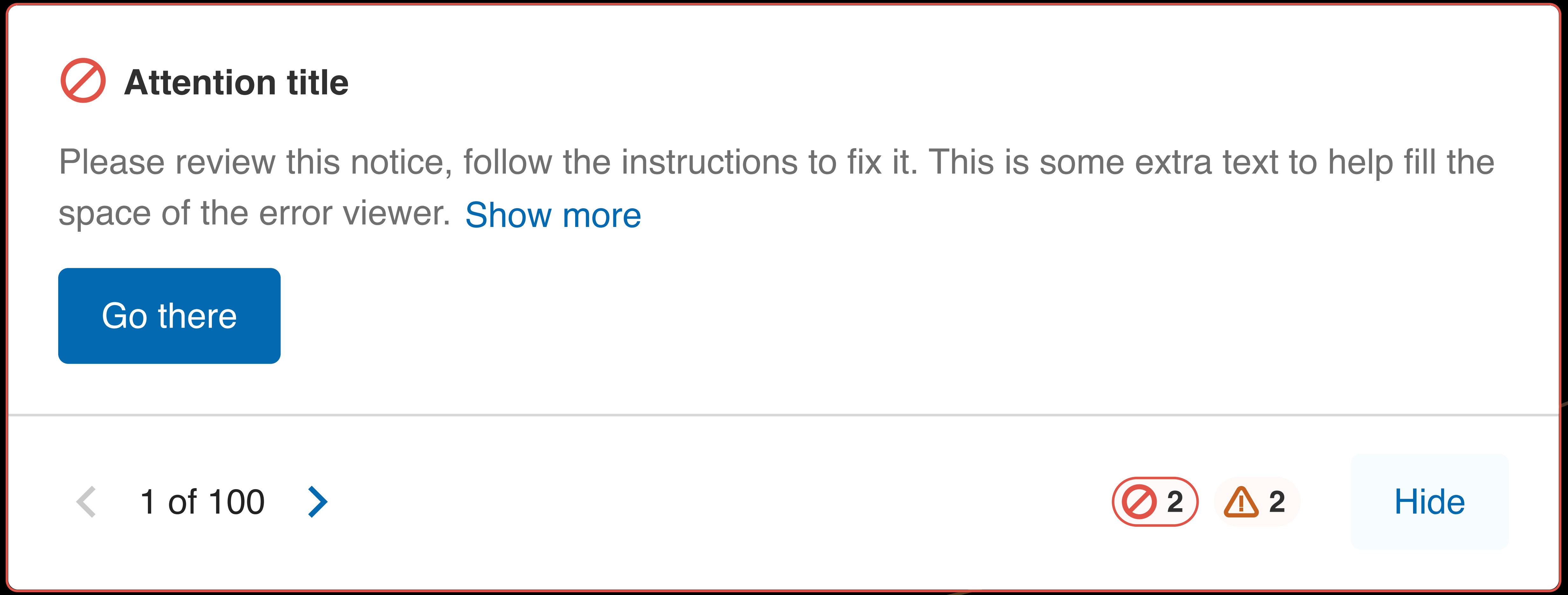
- warm-grey-900
- red-000
- red-400

- warm-grey-700
- blue-600
- cool-grey-000

But that's not good enough!

We did simplify and make it so one value changes all instances of that value. But these names are pretty meaningless. How do we keep consistency with like-minded components? We don't want just any red color being used for attention style UI.





Attention title

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Similarities

Indication colors for attention

🟥 ⬜

Text colors for primary and secondary

⬛ ⬛

Brand colors for buttons

🟦

Container background

⬜

Alias Tokens

These are groups of reusable tokens with meaning behind them. Aliases use roots as their source of truth. This provides more flexibility and guidance when using styles in the system

Indication Colors	Root	Alias
🟥 **E15347**	**red-400**	**attention-dark**
⬜ **FEFAFA**	**red-000**	**attention-light**

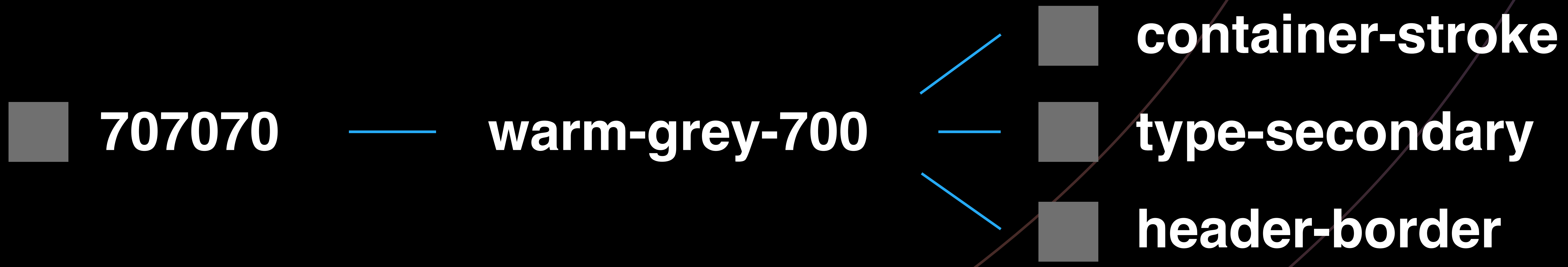
Typography Colors	Root	Alias
⬛ **303030**	**warm-grey-900**	**type-primary**
◼ **707070**	**warm-grey-700**	**type-secondary**

Brand Colors	Root	Alias
🟦 **0369B1**	**blue-600**	**brand-primary**

Container Colors	Root	Alias
⬜ **FFFFFF**	**cool-grey-000**	**container-bg**

Side note

This does not mean we can't reuse roots. Roots can be assigned to any number of alias tokens.



707070

warm-grey-700

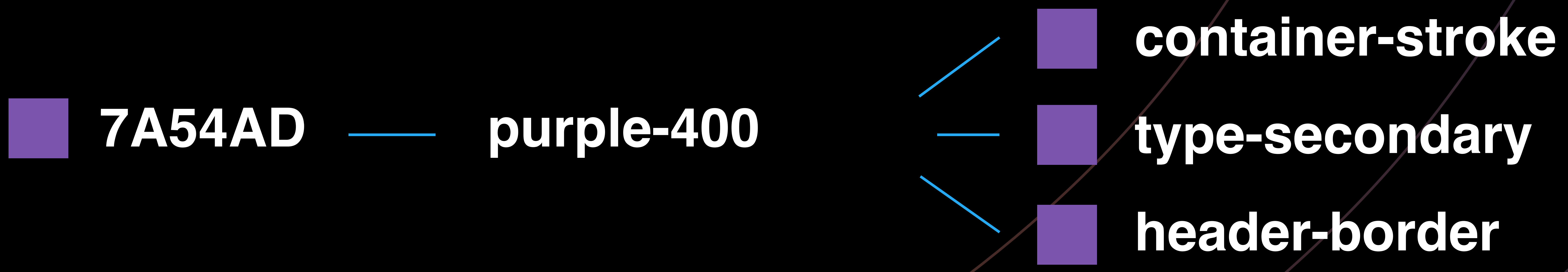
container-stroke

type-secondary

header-border

Side note

This does not mean we can't reuse roots. Roots can be assigned to any number of alias tokens.



7A54AD

purple-400

container-stroke

type-secondary

header-border

Now we can apply the aliases

Attention

type-primary

attention-light

attention-dark

Attention title

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Go there
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2
2

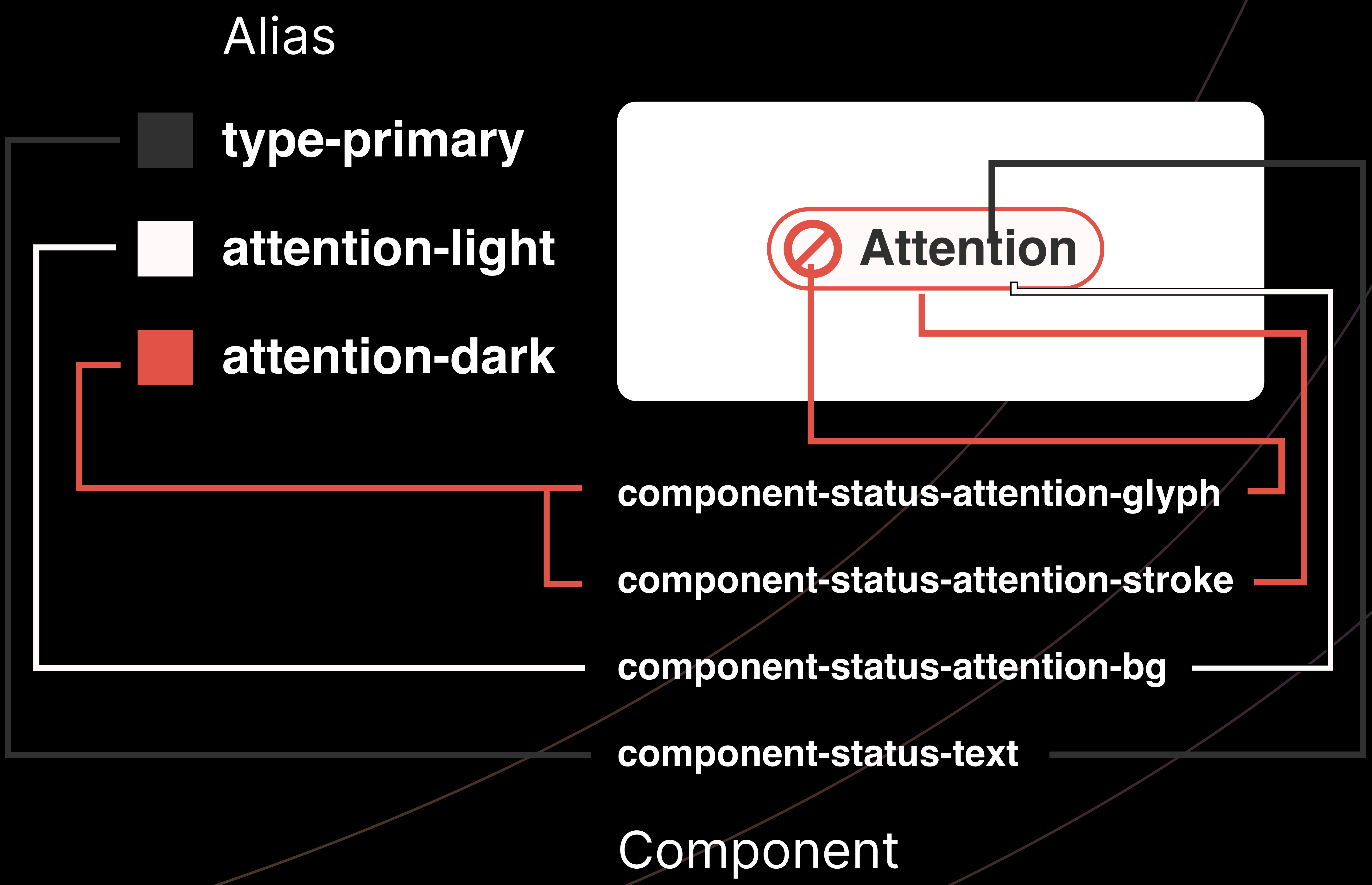
type-secondary

brand-primary

container-bg

Component Tokens

What if we only want PART of the component to change?

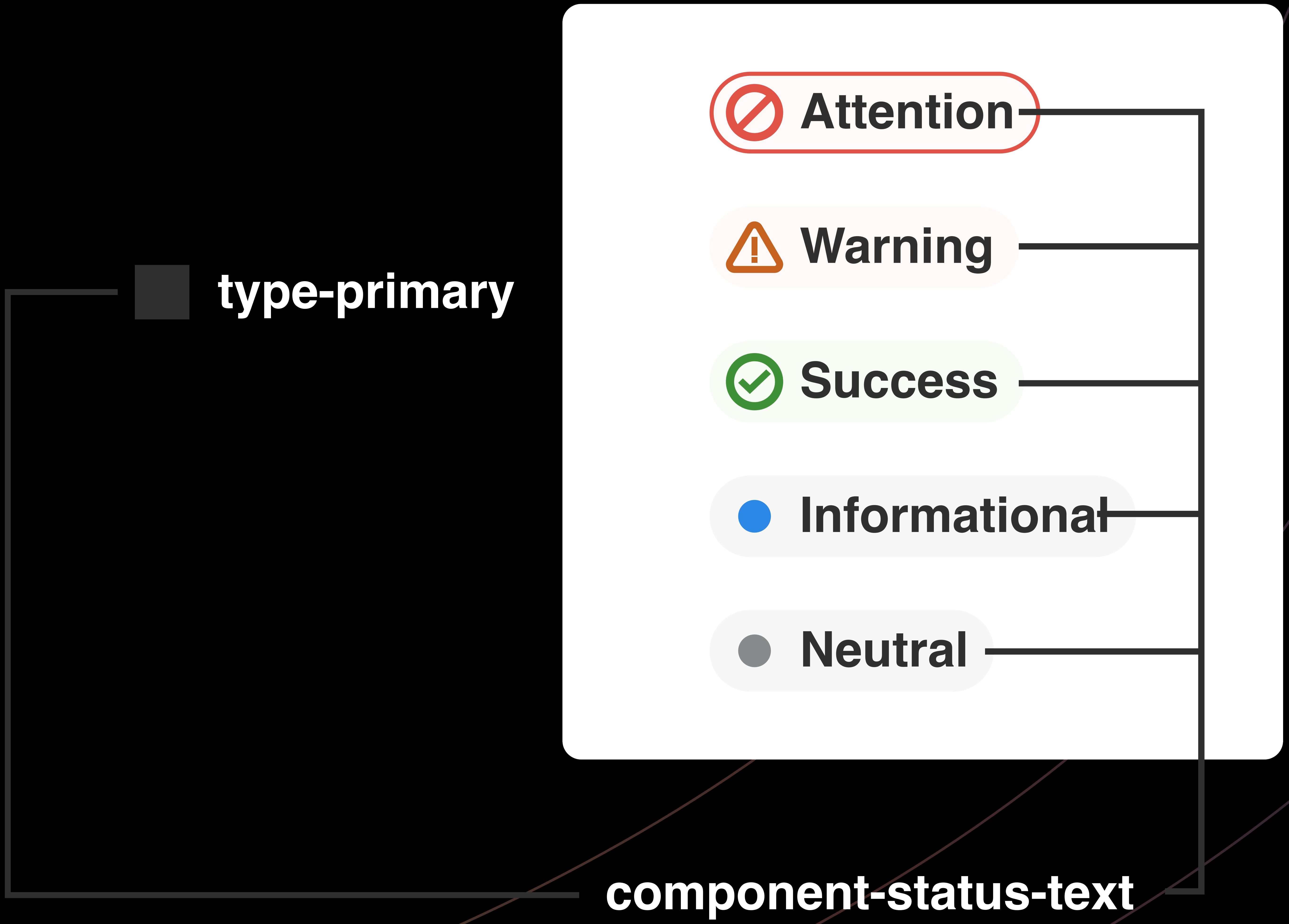

Alias
type-primary
attention-light
attention-dark
Attention
component-status-attention-glyph
component-status-attention-stroke
component-status-attention-bg
component-status-text
Component

Component Tokens

We start to form UX standards around components by grouping things by like styles.

Here we can say all text in a status should be the same.

But how each type of status does color is left up to each status type.



Token Structure

Component Specific UI location	**component-status-attention-glyph**
Alias Semantic/reusable style	**attention-dark**
Root Readable style foundation	**red-400**
Source The style	🟥 **#E15347**

Root

Name	Light
000	⬜ FEFAFA
100	⬜ FBE5E4
200	🟥 F2B5B0
300	🟥 E9847C
400	🟥 E15347
500	🟥 DA3224
600	🟥 C12C20
700	🟥 A3221E
800	🟥 851C19
900	🟥 4D0B0A

Alias

alias / indication / **attention**

Name	Light
default	🟥 root/color/red/400
dark	🟥 root/color/red/600
darkest	🟥 root/color/red/800
light	🟥 root/color/red/200
lighter	⬜ root/color/red/100
lightest	⬜ root/color/red/000

Name	Light
stroke	🟥 ...cation/attention/default
bg	⬜ ...ation/attention/lightest
glyph	🟥 ...cation/attention/default

Component