Google Fonts

opsz 18, wght 650, track -.5

Roboto Flex

wght

wdth

GRAD

slnt

YOPQ

YTLC

YTUC

YTAS

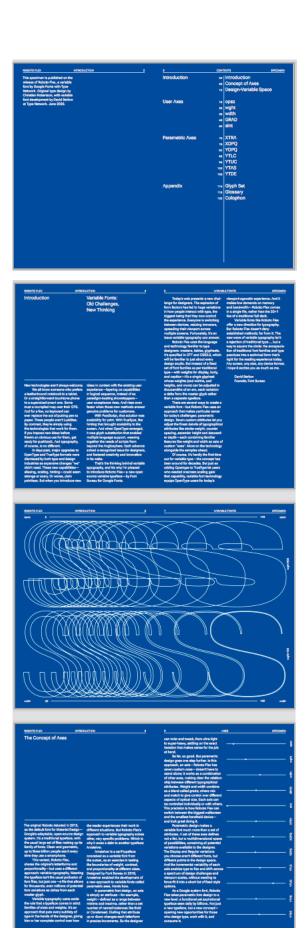
YTDE

Specimen Book

XOPQ

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opsz 18, wght 650, track -.5



I think there is no need to go into parametric space in creative display setting.



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I think there is a good reason to show the range of the parmetric axes here.

ROBOTO FLEX AXES 16

Roboto Flex uses a set of 12 axes. So this book is organized the same way. First the five registered axes common to the OpenType Specification and CSS3.0, Then the seven "parametric" axes fundamental to Flex.

As you journey through this book, you'll see how each axis affects a glyph in isolation – but you'll also see how different axes work as a team, with sensible maxima and minima on one curtailing the risk of absurd extremes on another. It's an approach to variable typography that keeps all the moving parts connected and in proportion with each other.

What this means is there's an answer to your typographical challenge somewhere in the design space, waiting for you to discover it. Whatever that challenge is. The axes may be constrained. But the choices they enable are limitless.

opsz blends stem weight, hairline weight, counter width, and x-height as optical size. Its scale is based on familiar point sizes, from 8pt to 144pt, to allow for a huge range of styles.

The wght registered axis controls overall glyph weight, ranging from 100 to 900 thousandths of an em. It's the axis instantly familiar to anyone with even a passing interest in type.

The wdth axis controls glyph width, within a range that lets the designer tune to fit line measure or type size without allowing absurdly wide characters.

GRAD is a blended axis: weight and width acting in concert. It allows weight to rise without increasing width—leading to a range of different visual impressions on the page at different sizes.

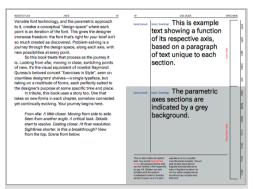
sint allows the designer to fine-tune visual verticality. A narrow range of values (scaled in units roughly equivalent to degrees, from -10 to 0) offers a wide range of italic-style type without the

opsz 8 - 144wght 100 - 900wdth 25 - 151GRAD -1 – 1 sInt 0 - 10

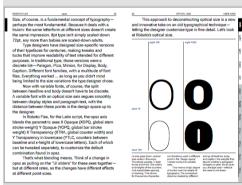
17 THE 12 AXES SPECIMEN The XTRA axis controls XTRA 323 - 603counter width, enabling precise justification. Its range is .323 to .603 of an em. XOPQ is the axis for stem XOPQ 27 - 175stroke weight, ranging from 27 to 175 milles of an em. YOPQ YOPQ does the same for hairline stroke weight, with 25 - 135a range of 25 to 135. Minima and maxima prevent hairlines from disappearing at 8pt and below. YTLC covers x-height, and YTLC 416-570 its range is from 416 to 570 milles of an em. It lets the designer increase lowercase height to levels that keep type readable even at tiny sizes. YTUC YTUC deals with the height of uppercase glyphs, with 528 - 760extremes of 528 and 760. Again, visual size of small text is the main benefit. The YTAS axis sets the height YTAS of lowercase ascenders, from 649 - 854649 to 854. YTDE sets the depth of YTDE lowercase descenders below -305 - -98 the x-height, with values -305 to -98. Note the scale is negative.

Roboto Flex Specimen Book Review

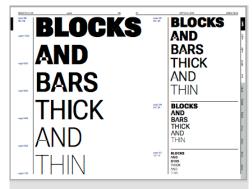
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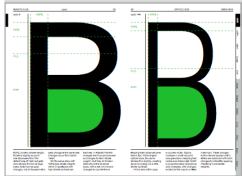




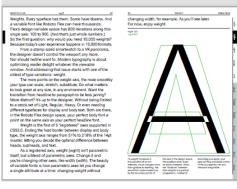


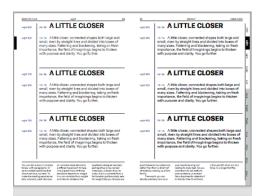


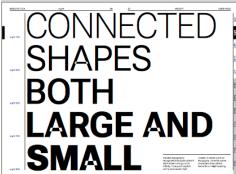


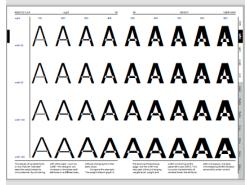


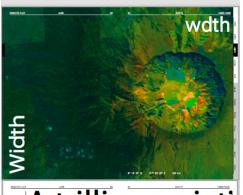












A trillion varieti A trillion variet A trillion varie A trillion vari A trillion var

of the font. At smaller sizes,

with a minima that prevents

blended into wdth with a

page48-49



body text that would

fonts -such as another

column, to the extremes of

sizes, in the far left and right

In row one, the parametric

width, weight and optical

columns.

controls the internal white

makes most of the change to

decrease. Other parametric

space of glyphs, XTRA,

the width's increase and

and secondary stems

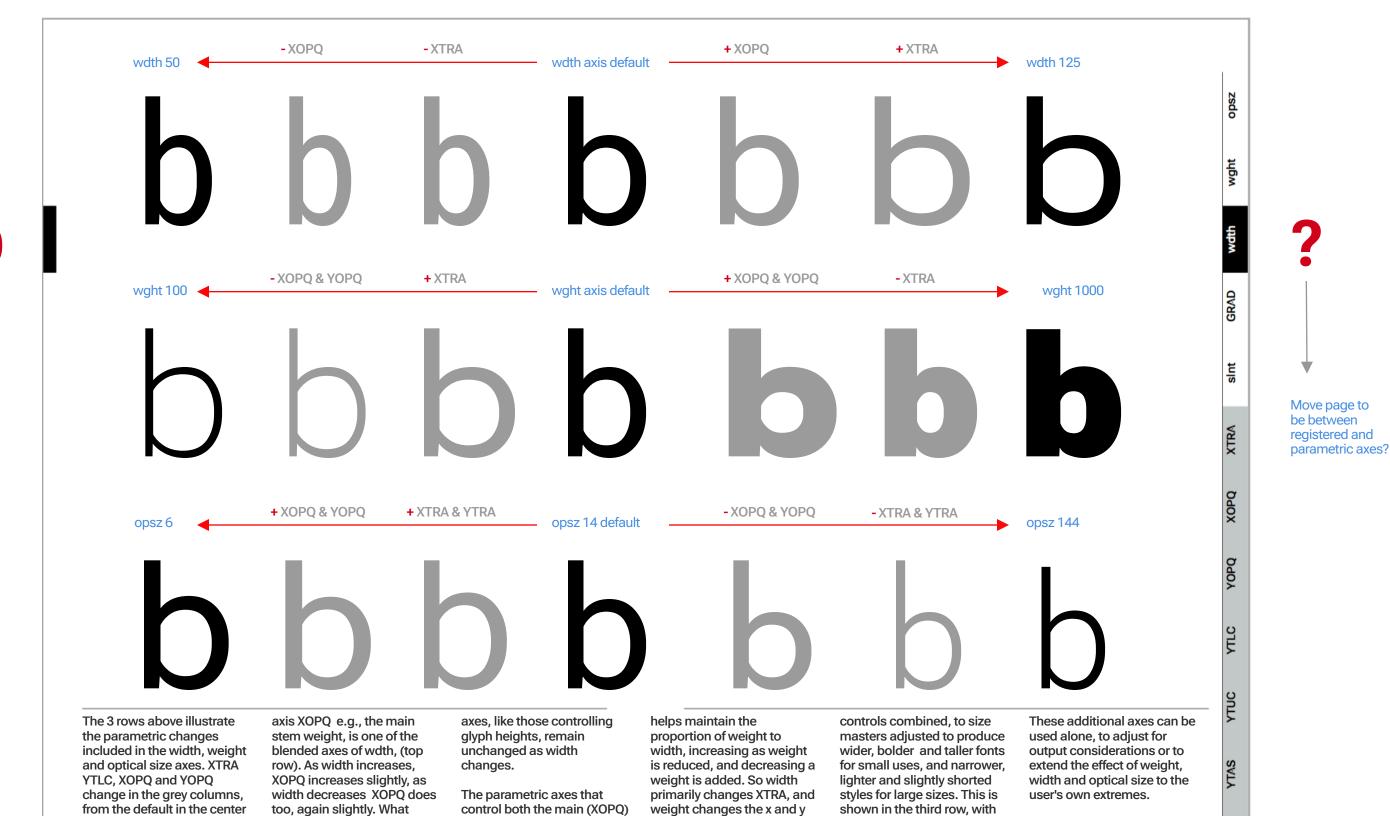
(YOPQ), are the axes that

control the weight axes, (in

the second row). In addition,

XTRA is part of the blend that

redo 48-49



stems controlled by XOPQ

Optical size uses the width,

weight a lowercase height

and YOPQ.

intermediate styles shown

the default style to the

parametric axes.

with the changes made from

extremes by x and y direction