



# SIMPLIFYING MATERIAL DESIGN RAMP WITH ROBOTO!

ROBOTO DELTA.VF

wght400

Far quick brown foxes  
Sweep over the lazy sleeping dogs  
Pack my bag with six dozen jugs of wine  
Jabbering boulevard strangers quizzed puzzled visitors on  
Parking attendants worried when the zebras quite juggling the sleeping shepherd  
Masterful planning before the trip enabled the client, a Quaker family to all the peace and quiet  
Everyone knew that the particle accelerator would not function in zero gravity but planned the experiment nonetheless  
Practical application of the necessary variables created a greatly simplified hierarchy over the broad range of nutritional requirements  
The typical North American composition of text does not normally involve extensive testing for legibility at each size  
Magnification of issues into unmanageable specifications, quietly but certainly, raised the price of everything they did, geometrically  
FILE EDIT PRINT VIEW ARRANGE WINDOW PAGE MORE LESS STANDINGS STATISTICS SIGN IN LOG OUT YOU  
This year's winning photograph from the south of England was taken on January 2 in Queen Anne's Park, South Chouldchester, between the M4 and M1  
ECUADOR EGYPT EL SALVADOR EQUATORIAL GUINEA ETHIOPIA FIJI FINLAND FRANCE GABON GAMBIA GEORGIA GERMANY AND MASSACHUSETTS

Body 1 The typical North American composition of text does not normally involve extensive testing for legibility at each size Magnification of issues into unmanageable specifications, quietly but certainly, raised the price of everything they did, geometrically. This year's winning photograph from the south of England was taken on January 2 in Queen Anne's Park, South Chouldchester, between the M4 and M1. Practical application of the necessary variables created a greatly simplified hierarchy over the broad range of 2020 nutritional requirements.

Body 2 The typical North American composition of text does not normally involve extensive testing for legibility at each size Magnification of issues into unmanageable specifications, quietly but certainly, raised the price of everything they did, geometrically. This year's winning photograph from the south of England was taken on January 2 in Queen Anne's Park, South Chouldchester, between the M4 and M1. Practical application of the necessary variables created a greatly simplified hierarchy over the broad range of 2020 nutritional requirements.

Caption This year's winning photograph from the south of England was taken on January 2 in Queen Anne's Park, South Chouldchester, between the M4 and M1

## STEP 2

The existing Material Design ramp is recreated using RoboExtremo.vf, the stylistically extended version of Roboto containing a smooth range styles covering the same locations as the original Roboto TrueType styles of the family. These original styles were determined to be good for size 14, and around that was added an optical size axis, (opsz), and a broader range of weights and widths.

This includes making the appearance of weights transition more smoothly over a range of sizes, without the need to change styles. So, all the sizes of this ramp are the regular weight, (400), and the regular width (100).

In addition, the use of the optical size axis reduces the need to negative track larger sizes, as tighter spacing is built in, and users will not notice a significant difference given the lengths of text at larger sizes. The only tracking done here is for the user's benefit, where plus tracking was transferred from the original ramp to the two "Body" sizes, where the untracked Extremo are best suited for print. Using the same tracking value on Extremo that Roboto had for online use 100%, makes the two identical in Body 1 and Body 2.

\* The only other difference to note in the ramp comparison, is the use of all-caps in two styles of the ramp. The old ramp used letter spacing and weight change to improve the appearance. This is probably best accomplished with an OpenType feature, 'case' which allows glyph substitution of wider, bolder uppercase letters and realigns dashes and other punctuation best centered on Caps. Here, for demo purposes, I increased the GRAD axes, and letter-spaced the Regular.

## Headline 1

## Headline 2

## Headline 3

## Headline 4

## Headline 5

## Headline 6

## Subtitle 1

## Subtitle 2

## Body 1

## Body 2

## BUTTON

## Caption

## ROBOTO.VF

## OVERLINE

Scale Category	Typeface	Font	Size	Fea Case	Letter spacing
H1	RoboExtremo	Regular	96	Sentence	0
H2	RoboExtremo	Regular	60	Sentence	0
H3	RoboExtremo	Regular	48	Sentence	0
H4	RoboExtremo	Regular	34	Sentence	0
H5	RoboExtremo	Regular	24	Sentence	0
H6	RoboExtremo	Regular	20	Sentence	0
Subtitle 1	RoboExtremo	Regular	16	Sentence	0
Subtitle 2	RoboExtremo	Regular	14	Sentence	0
Body 1	RoboExtremo	Regular	16	Sentence	.5
Body 2	RoboExtremo	Regular	14	Sentence	.25
BUTTON	RoboExtremo	Regular	14	Case*	0
Caption	RoboExtremo	Regular	12	Sentence	0
OVERLINE	RoboExtremo	Regular	10	Case*	0

## Mixed Styles

Far quick brown fox  
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# STEP 3

continued

ROBOTOEXTREMO.VF

ALL MEDIUM

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**Subtitle 1**

**Subtitle 2**

**Body 1**

**Body 2**

**BUTTON**

**Caption**

**OVERLINE**

Scale Category	Typeface	Font	Size	Fea Case	Letter spacing
<b>H1</b>	RobotoExtremo	Medium	96	Sentence	0
<b>H2</b>	RobotoExtremo	Medium	60	Sentence	0
<b>H3</b>	RobotoExtremo	Medium	48	Sentence	0
<b>H4</b>	RobotoExtremo	Medium	34	Sentence	0
<b>H5</b>	RobotoExtremo	Medium	24	Sentence	0
<b>H6</b>	RobotoExtremo	Medium	20	Sentence	0
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<b>Subtitle 2</b>	RobotoExtremo	Medium	14	Sentence	0
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ALL BOLD

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Everyone knew the particle accelerator would not function in zero gravity but planned the experiment nonetheless  
Practical application of the all our necessary variables, create a simpler hierarchy, over a broad range of nutritional requirements

The typical American composition of text does not normally involve extensive testing for legibility at all small sizes

Magnification of issues of unmanageable specifications, quietly but certainly, raise the price of everything done non-geometrically

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<b>H4</b>	RobotoExtremo	Bold	34	Sentence	0
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<b>Body 2</b>	RobotoExtremo	Bold	14	Sentence	0
<b>BUTTON</b>	RobotoExtremo	Bold	14	Case*	0
<b>Caption</b>	RobotoExtremo	Bold	12	Sentence	0
<b>OVERLINE</b>	RobotoExtremo	Bold	10	Case*	0

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