

Converting Colors

YIQ(75.8650, 85.0440, 33.6520)

Have a look what the booklet for
YIQ(75.8650, 85.0440, 33.6520)
contains.

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Color

**YIQ(75.8650, 85.0440,
33.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	B21F27
RGB	178, 31, 39
RGB Percent	70%, 12%, 15%
CMY	0.3016, 0.8786, 0.8467
CMYK	0.00, 0.83, 0.78, 0.30
HSL	357°, 70%, 41%
HSV	357°, 83%, 70%
XYZ	19.2368, 10.5995, 2.9588
YIQ	75.8650, 85.0440, 33.6520

Conversions

Conversions Part 2

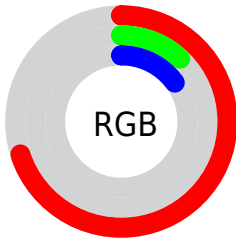
Format	Color
R_{YB}	178, 31, 39
Decimal	11673383
CIE Lab	38.90, 56.94, 34.52
CIE LCh	39, 66.584, 31.230
Yxy	10.5995, 0.5866, 0.3232
Android (android.graphics.Color)	4289863463 (0xFFB21F27)
YUV	75.8650, -18.1744, 89.5724
Hunter-Lab	32.5568, 48.4958, 17.4014

Details

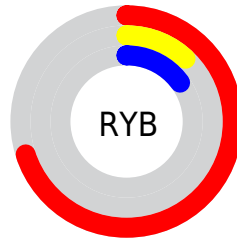
The YIQ color **75.8650, 85.0440, 33.6520** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **133.1350, -85.0440, -33.6520**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.7530, 91.0510, 29.4110**, and **34.9830, 69.7320, 24.8040** is the 20% darker color. If you saturate the color by 10%, you get **63.3610, 95.4510, 37.7790**, and if you desaturate by 10%, it is **88.3690, 74.6370, 29.5250**.

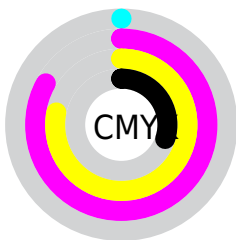
Distribution



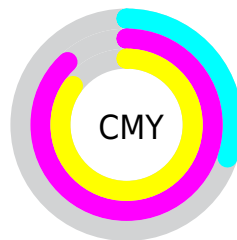
- Red (70%)
- Green (12%)
- Blue (15%)



- Red (70%)
- Yellow (12%)
- Blue (15%)



- Cyan (0%)
- Magenta (83%)
- Yellow (78%)
- Black (30%)





- Cyan (30%)
- Magenta (88%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 75.8650, 85.0440, 33.6520 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 75.8650, 85.0440, 33.6520 by changing the saturation by 10% instead.


 75.8650, 85.0440,
33.6520


 75.8650, 85.0440,
33.6520


255.0000, -0.0000,
-0.0000


 46.0050, 81.8340,
36.7620


 135.7530, 91.0510,
29.4110


 34.9830, 69.7320,
24.8040


 159.1110, 83.9910,
25.1990


 25.7140, 51.2560,
18.2320

 177.9240, 68.2200,
19.1640

 17.8690, 34.5220,
13.1300

 197.9110, 51.8990,
12.0830

 5.9800, 11.9200,
4.2400

 217.4250, 35.5320,
5.8360

 0.0000, 0.0000,
0.0000

 238.2270, 18.2940,

-1.1460

■ 253.7460, 3.5310,
-3.4210

■ 75.8650, 85.0440,
33.6520

■ 75.8650, 85.0440,
33.6520

■ 63.3610, 95.4510,
37.7790

■ 88.3690, 74.6370,
29.5250

■ 54.3620, 102.8780,
40.8460

■ 100.8730, 64.2300,
25.3980

■ 112.7900, 54.0980,
21.7940

■ 125.1800, 44.0120,
17.3560

■ 137.6840, 33.6050,
13.2290

■ 150.1880, 23.1980,
9.1020

■ 162.6920, 12.7910,
4.9750

■ 174.6090, 2.6590,
1.3710

■ 187.1130, -7.7480,
-2.7560

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9060, 78.9400, 67.1960



75.8650, 85.0440, 33.6520



84.7770, 72.1670, -2.8170

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8650, 85.0440, 33.6520



69.0330, -41.4390, -47.4790



80.4400, -91.4710, 11.2570

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.8650, 85.0440, 33.6520



133.1350, -85.0440, -33.6520

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8880, -90.2770, 0.6270



75.8650, 85.0440, 33.6520



77.4060, -60.8820, -31.0100

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8650, 85.0440, 33.6520



77.1940, 3.5840, -42.9440



83.6760, -78.5370, -13.9050



91.1170, -29.6250, 35.8070

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8650, 85.0440, 33.6520



86.9820, 51.9960, -17.2200



83.6760, -78.5370, -13.9050



83.2610, -92.5250, 8.3310

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.8650, 85.0440, 33.6520



191.6840, 33.6050, 13.2290



88.7210, 34.4650, 74.7610



92.6930, 20.2180, 8.0420



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8650, 85.0440, 33.6520



72.2520, 132.9070, 52.8030



112.5210, 70.0120, -2.3080



82.8050, 5.0430, 2.2190



46.6590, 88.6200, 34.9240



7.8880, 15.1750, 5.8230

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.8650, 85.0440, 33.6520



72.2520, 132.9070, 52.8030



96.4790, -70.0120, 2.3080



82.8050, 5.0430, 2.2190



46.6590, 88.6200, 34.9240



7.8880, 15.1750, 5.8230

Previews

White Background



This preview shows how the YIQ color 75.8650, 85.0440, 33.6520 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 75.8650, 85.0440, 33.6520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 75.8650, 85.0440, 33.6520

Background



This preview shows how black text looks on a background with the YIQ color 75.8650, 85.0440, 33.6520.



This preview shows how white text looks on a background with the YIQ color 75.8650, 85.0440,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.8650, 85.0440, 33.6520

Protanopia

91.5870, 16.9200, -9.2880

Deuteranopia

89.8310, 36.5440, -12.5120



Tritanopia

75.5400, 87.3370, 30.6410

Trichromacy



Original Color

75.8650, 85.0440, 33.6520

Protanomaly

85.6600, 42.1800, 6.5000

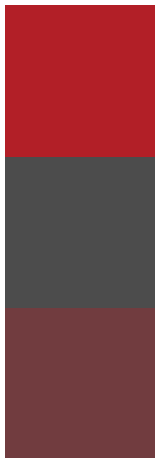
Deuteranomaly

84.5380, 54.1470, 4.3790

Tritanomaly

75.8820, 86.3740, 31.5740

Monochromacy



Original Color

75.8650, 85.0440, 33.6520

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

76.1890, 30.6250, 12.1690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 75.8650, 85.0440, 33.6520 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 31, 39)` looks like.

```
.text, #text, p{  
    color:rgb(178, 31, 39)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 31, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 31, 39) }
```

Border

The CSS property to change the border of an element to YIQ 75.8650, 85.0440, 33.6520 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 31, 39) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 31, 39) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 31, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 31, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 31, 39);  
box-shadow:4px 4px 4px 4px rgb(178, 31,  
39) }
```

Background

The CSS property to change the background color of an element to YIQ 75.8650, 85.0440, 33.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 31, 39) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178, 31,  
39) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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