

Converting Colors

YIQ(68.7500, 6.8760, 7.5480)

Have a look what the booklet for
YIQ(68.7500, 6.8760, 7.5480)
contains.

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Color

YIQ(68.7500, 6.8760, 7.5480)

Conversions

Conversions Part 1

Format	Color
Hex	503E4A
RGB	80, 62, 74
RGB Percent	31%, 24%, 29%
CMY	0.6862, 0.7569, 0.7098
CMYK	0.00, 0.23, 0.08, 0.69
HSL	320°, 13%, 28%
HSV	320°, 23%, 31%
XYZ	6.2677, 5.6449, 7.2386
YIQ	68.7500, 6.8760, 7.5480

Conversions

Conversions Part 2

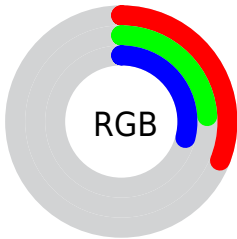
Format	Color
R_{YB}	80, 62, 74
Decimal	5258826
CIE Lab	28.50, 10.20, -4.30
CIE LCh	28, 11.070, 337.147
Yxy	5.6449, 0.3273, 0.2948
Android (android.graphics.Color)	4283448906 (0xFF503E4A)
YUV	68.7500, 2.5882, 9.8663
Hunter-Lab	23.7591, 5.5107, -1.4324

Details

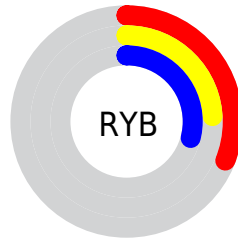
The YIQ color **68.7500, 6.8760, 7.5480** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **73.2500, -6.8760, -7.5480**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **117.1630, 7.1510, 8.0710**, and **25.6250, 5.7300, 6.2900** is the 20% darker color. If you saturate the color by 10%, you get **63.7120, 10.0390, 10.7990**, and if you desaturate by 10%, it is **73.7880, 3.7130, 4.2970**.

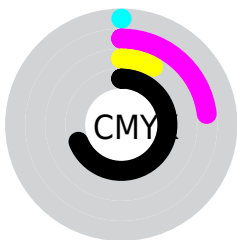
Distribution



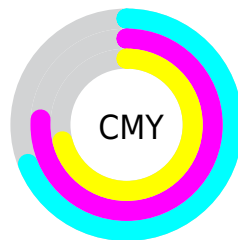
- Red (31%)
- Green (24%)
- Blue (29%)



- Red (31%)
- Yellow (24%)
- Blue (29%)



- Cyan (0%)
- Magenta (23%)
- Yellow (8%)
- Black (69%)



- Cyan (69%)
- Magenta (76%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.7500, 6.8760, 7.5480 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 68.7500, 6.8760, 7.5480 by changing the saturation by 10% instead.

68.7500, 6.8760,
7.5480

68.7500, 6.8760,
7.5480

255.0000, -0.0000,
-0.0000

46.3370, 6.6010,
7.0250

117.1630, 7.1510,
8.0710

25.6250, 5.7300,
6.2900

142.7610, 8.3430,
8.4950

2.8480, 3.4840,
2.9400

168.8750, 8.0220,
8.8060

0.0000, 0.0000,
0.0000

196.1740, 8.6180,
9.0180

224.2880, 8.2970,
9.3290

248.5430, 3.0250,

5.7530

■ 68.7500, 6.8760,
7.5480

■ 68.7500, 6.8760,
7.5480

■ 63.7120, 10.0390,
10.7990

■ 73.7880, 3.7130,
4.2970

■ 58.7880, 12.8810,
14.3610

■ 78.7120, 0.8710,
0.7350

■ 53.7500, 16.0440,
17.6120

■ 83.7500, -2.2920,
-2.5160

■ 48.7120, 19.2070,
20.8630

■ 88.7880, -5.4550,
-5.7670

■ 43.7880, 22.0490,
24.4250

■ 93.7120, -8.2970,
-9.3290

■ 38.7500, 25.2120,
27.6760

■ 98.7500, -11.4600,
-12.5800

■ 33.7120, 28.3750,
30.9270

■ 103.7880,
-14.6230, -15.8310

■ 29.9620, 30.6670,
33.4430

■ 108.7120,
-17.4650, -19.3930

■ 113.7500,
-20.6280, -22.6440

Harmonies

Analogous

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



68.0310, -1.2850, 6.7710



68.7500, 6.8760, 7.5480



68.3330, 12.4240, 6.1200

Triad

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



68.7500, 6.8760, 7.5480



66.5570, 8.4370, -4.2270



64.1980, -18.2930, -4.3810

Complementary

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



68.7500, 6.8760, 7.5480



73.2500, -6.8760, -7.5480

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.



63.5850, -15.1290, -6.6570



68.7500, 6.8760, 7.5480



65.6700, 0.6890, -6.9830

Square

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



68.7500, 6.8760, 7.5480



67.1170, 12.7920, -0.5520



64.9510, -7.4720, -7.7600



65.2030, -16.6890, -0.4090

Rectangle

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



68.7500, 6.8760, 7.5480



68.6490, 14.3500, 4.2540



64.9510, -7.4720, -7.7600



63.6710, -18.2470, -5.2150

Sweetspot

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



68.7500, 6.8760, 7.5480



99.9620, 3.1630, 3.2510



65.8460, -2.2020, 6.8700



50.8370, 2.0170, 1.9930



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



68.7500, 6.8760, 7.5480



86.8370, 11.1850, 12.0570



67.7240, 9.7650, 4.7490



38.4240, 1.7420, 1.4700



39.3750, 40.1100, 44.0300



87.0380, 88.5170, 97.3890

Inverse Universe

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



68.7500, 6.8760, 7.5480



86.8370, 11.1850, 12.0570



74.2760, -9.7650, -4.7490



38.4240, 1.7420, 1.4700



39.3750, 40.1100, 44.0300



87.0380, 88.5170, 97.3890

Previews

White Background



This preview shows how the YIQ color 68.7500, 6.8760, 7.5480 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 ✓ Pass

Black Background



This preview shows how the YIQ color 68.7500, 6.8760, 7.5480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

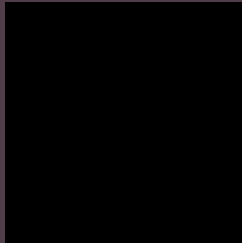
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.7500, 6.8760, 7.5480

Background



This preview shows how black text looks on a background with the YIQ color 68.7500, 6.8760, 7.5480.



This preview shows how white text looks on a background with the YIQ color 68.7500, 6.8760, 7.5480.

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

68.7500, 6.8760, 7.5480

Protanopia

67.8410, -3.8060, 2.8980

Deuteranopia

67.7060, 1.0080, 3.7600



Tritanopia

68.3540, 7.9310, 4.9470

Trichromacy



Original Color

68.7500, 6.8760, 7.5480

Protanomaly

68.0480, 0.0450, 4.6930

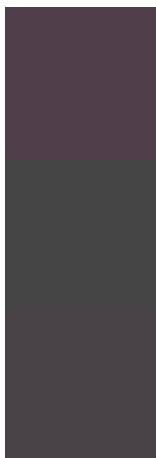
Deuteranomaly

68.0160, 3.0710, 4.9190

Tritanomaly

68.5820, 7.2890, 5.5690

Monochromacy



Original Color

68.7500, 6.8760, 7.5480

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

68.6630, 2.5670, 3.0390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.7500, 6.8760, 7.5480 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(80, 62, 74)` looks like.

```
.text, #text, p{  
    color:rgb(80, 62, 74)  
}
```

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(80, 62, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 62, 74) }
```

Border

The CSS property to change the border of an element to YIQ 68.7500, 6.8760, 7.5480 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(80, 62, 74) }
```

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

```
.border{ border-color:rgb(80, 62, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 62, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 62, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 62, 74);  
box-shadow:4px 4px 4px 4px rgb(80, 62, 74)  
}
```


Background

The CSS property to change the background color of an element to YIQ 68.7500, 6.8760, 7.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 62, 74) }
```

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

```
.background{ background-color: rgb(80, 62,  
74) }
```

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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