

Converting Colors

YIQ(117.8630, -0.8720, 4.7920)

Have a look what the booklet for
YIQ(117.8630, -0.8720, 4.7920)
contains.

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Color

**YIQ(117.8630, -0.8720,
4.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	78737F
RGB	120, 115, 127
RGB Percent	47%, 45%, 50%
CMY	0.5294, 0.5490, 0.5020
CMYK	0.06, 0.09, 0.00, 0.50
HSL	265°, 5%, 47%
HSV	265°, 9%, 50%
XYZ	17.7075, 17.7866, 22.5774
YIQ	117.8630, -0.8720, 4.7920

Conversions

Conversions Part 2

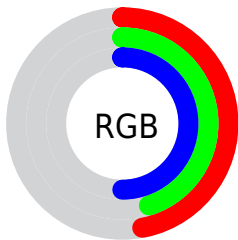
Format	Color
R_{YB}	120, 115, 127
Decimal	7893887
CIE _{Lab}	49.24, 4.38, -5.90
CIE _{LCh}	49, 7.347, 306.566
Yxy	17.7866, 0.3049, 0.3063
Android (android.graphics.Color)	4286083967 (0xFF78737F)
YUV	117.8630, 4.5045, 1.8741
Hunter-Lab	42.1742, 1.1410, -2.2182

Details

The YIQ color **117.8630, -0.8720, 4.7920** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **124.1370, 0.8720, -4.7920**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **169.9770, -1.1930, 5.1030**, and **69.7490, -0.5510, 4.4810** is the 20% darker color. If you saturate the color by 10%, you get **108.1390, -1.4690, 10.1070**, and if you desaturate by 10%, it is **127.5870, -0.2750, -0.5230**.

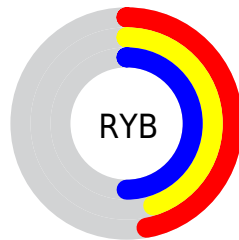
Distribution



Red (47%)

Green (45%)

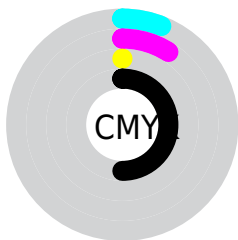
Blue (50%)



Red (47%)

Yellow (45%)

Blue (50%)

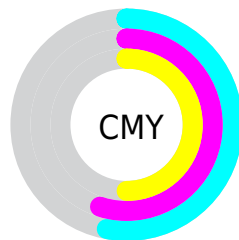


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (53%)

Magenta (55%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8630, -0.8720, 4.7920 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 117.8630, -0.8720, 4.7920 by changing the saturation by 10% instead.

■ 117.8630, -0.8720,
4.7920

■ 117.8630, -0.8720,
4.7920

■ 255.0000, -0.0000,
-0.0000

■ 92.8630, -0.8720,
4.7920

■ 169.9770, -1.1930,
5.1030

■ 69.7490, -0.5510,
4.4810

■ 197.2760, -0.5970,
5.3150

■ 47.3360, -0.8260,
3.9580

■ 225.2760, -0.5970,
5.3150

■ 26.3360, -0.8260,
3.9580

■ 252.6520, 1.1000,
2.0920

■ 1.2540, -3.5310,
3.4210

■ 0.0000, 0.0000,
0.0000

■ 117.8630, -0.8720,
4.7920

■ 117.8630, -0.8720,
4.7920

■ 108.1390, -1.4690,
10.1070

■ 127.5870, -0.2750,
-0.5230

■ 98.7030, -2.9370,
14.6870

■ 137.0230, 1.1930,
-5.1030

■ 88.9790, -3.5340,
20.0020

■ 146.7470, 1.7900,
-10.4180

■ 78.9560, -4.7270,
25.1050

■ 156.7700, 2.9830,
-15.5210

■ 69.8190, -5.5990,
29.8970

■ 165.9070, 3.8550,
-20.3130

■ 60.0950, -6.1960,
35.2120

■ 175.6310, 4.4520,
-25.6280

■ 50.0720, -7.3890,
40.3150

■ 185.6540, 5.6450,
-30.7310

■ 40.3480, -7.9860,

■ 195.3780, 6.2420,

45.6300

-36.0460

■ 30.9120, -9.4540,
50.2100

■ 204.8140, 7.7100,
-40.6260

Harmonies

Analogous

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



116.8730, -6.8320, 2.6720



117.8630, -0.8720, 4.7920



118.2120, 5.4550, 5.7670

Triad

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



117.8630, -0.8720, 4.7920



117.5620, 10.0410, -0.2550



114.9770, -10.3610, -4.9610

Complementary

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



117.8630, -0.8720, 4.7920



124.1370, 0.8720, -4.7920

Split Complementary

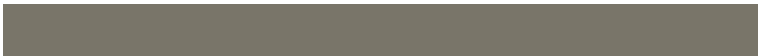
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.2010, -5.1800, -5.2440



117.8630, -0.8720, 4.7920



116.8280, 6.2360, -2.8840

Square

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



117.8630, -0.8720, 4.7920



117.7410, 11.0950, 2.6710



116.1370, 0.8720, -4.7920



115.0740, -12.0120, -2.5720

Rectangle

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



117.8630, -0.8720, 4.7920



118.3540, 7.9310, 4.9470



116.1370, 0.8720, -4.7920



115.3470, -8.5270, -5.1590

Sweetspot

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



117.8630, -0.8720, 4.7920



162.1680, -0.4130, 1.9790



120.4770, -5.7770, 0.0710



81.6410, -0.3670, 1.1450



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



117.8630, -0.8720, 4.7920



152.1450, -1.6060, 7.0820



119.6570, 2.7040, 6.0640



58.6950, -0.4590, 2.8130



30.4390, -9.5000, 51.0440



0.0000, 0.0000, 0.0000

Inverse Universe

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



119.3860, 4.9050, 4.7210



154.5220, 7.5180, 6.9260



122.3430, -2.7040, -6.0640



59.5490, 2.8880, 2.7280



46.7080, 52.5340, 50.1500



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 117.8630, -0.8720, 4.7920 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 117.8630, -0.8720, 4.7920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

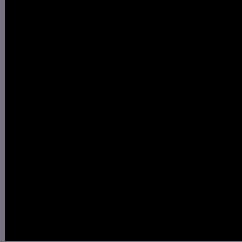
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.8630, -0.8720, 4.7920

Background



This preview shows how black text looks on a background with the YIQ color 117.8630, -0.8720, 4.7920.



This preview shows how white text looks on a background with the YIQ color 117.8630, -0.8720,

4.7920.

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

117.8630, -0.8720, 4.7920

Protanopia

117.3680, -3.8520, 3.7320

Deuteranopia

118.4720, 1.7870, 6.1630



Tritanopia

117.6350, -0.2300, 4.1700

Trichromacy



Original Color

117.8630, -0.8720, 4.7920

Protanomaly

117.6670, -3.2560, 3.9440

Deuteranomaly

118.1730, 1.1910, 5.9510

Tritanomaly

117.7490, -0.5510, 4.4810

Monochromacy



Original Color

117.8630, -0.8720, 4.7920

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.0540, -0.0920, 1.6680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.8630, -0.8720, 4.7920 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(120, 115, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 127)  
}
```

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(120, 115, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 127) }
```

Border

The CSS property to change the border of an element to YIQ 117.8630, -0.8720, 4.7920 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(120, 115, 127) }
```


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

```
.border{ border-color:rgb(120, 115, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 115, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 115, 127); box-shadow:4px 4px 4px 4px rgb(120, 115, 127) }
```

Background

The CSS property to change the background color of an element to YIQ 117.8630, -0.8720, 4.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 127) }
```

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

```
.background{ background-color: rgb(120,  
115, 127) }
```

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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