

Converting Colors

YIQ(117.5120, -31.2210,
-12.3810)

Have a look what the booklet for
YIQ(117.5120, -31.2210, -12.3810)
contains.

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Color

**YIQ(117.5120, -31.2210,
-12.3810)**

Conversions

Conversions Part 1

Format	Color
Hex	508683
RGB	80, 134, 131
RGB Percent	31%, 53%, 51%
CMY	0.6864, 0.4744, 0.4864
CMYK	0.40, 0.00, 0.02, 0.47
HSL	177°, 25%, 42%
HSV	177°, 40%, 53%
XYZ	15.9283, 20.3983, 24.5595
YIQ	117.5120, -31.2210, -12.3810

Conversions

Conversions Part 2

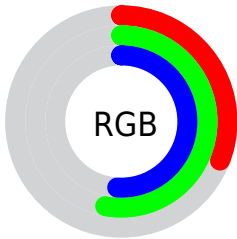
Format	Color
R_{YB}	80, 108, 134
Decimal	5277315
CIE _{Lab}	52.28, -18.67, -4.01
CIE _{LCh}	52, 19.092, 192.132
Yxy	20.3983, 0.2616, 0.3350
Android (android.graphics.Color)	4283467395 (0xFF508683)
YUV	117.5120, 6.6496, -32.8980
Hunter-Lab	45.1645, -16.0857, -0.6254

Details

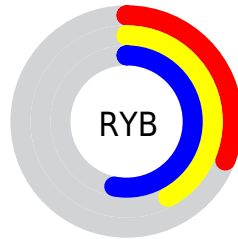
The YIQ color **117.5120, -31.2210, -12.3810** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **96.4880, 31.2210, 12.3810**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.2130, -31.8170, -12.5930**, and **67.0280, -32.7340, -12.4940** is the 20% darker color. If you saturate the color by 10%, you get **113.5110, -38.6480, -15.4480**, and if you desaturate by 10%, it is **121.5130, -23.7940, -9.3140**.

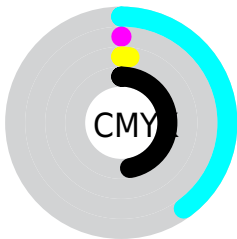
Distribution



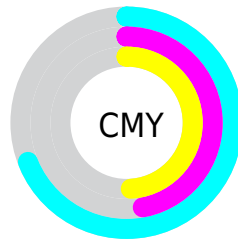
- Red (31%)
- Green (53%)
- Blue (51%)



- Red (31%)
- Yellow (42%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (47%)



- Cyan (69%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.5120, -31.2210, -12.3810 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 117.5120, -31.2210, -12.3810 by changing the saturation by 10% instead.

■ 117.5120,
-31.2210, -12.3810

■ 117.5120,
-31.2210, -12.3810

■ 255.0000, -0.0000,
-0.0000

■ 92.2130, -31.8170,
-12.5930

■ 170.2130,
-31.8170, -12.5930

■ 67.0280, -32.7340,
-12.4940

■ 197.9140,
-32.4130, -12.8050

■ 42.5330, -35.7140,
-13.5540

■ 226.5010,
-32.6880, -13.3280

■ 27.1110, -22.6020,
-8.8900

■ 243.0400,
-23.8400, -8.4800

■ 10.6290, -9.2610,
-2.8690

■ 251.7110, -6.5560,
-2.3320

■ 0.0000, 0.0000,
0.0000

■ 117.5120,
-31.2210, -12.3810

■ 117.5120,
-31.2210, -12.3810

■ 113.5110,
-38.6480, -15.4480

■ 121.5130,
-23.7940, -9.3140

■ 109.2110,
-46.6710, -18.7270

■ 125.6990,
-15.4500, -6.3460

■ 105.3240,
-54.4190, -21.4830

■ 129.7000, -8.0230,
-3.2790

■ 101.0240,
-62.4420, -24.7620

■ 134.0000, -0.0000,
-0.0000

■ 97.0230, -69.8690,
-27.8290

■ 138.0010, 7.4270,
3.0670

■ 93.0220, -77.2960,
-30.8960

■ 142.0020, 14.8540,
6.1340

■ 146.1880, 23.1980,
9.1020

■ 150.1890, 30.6250,

12.1690

■ 154.4890, 38.6480,
15.4480

Harmonies

Analogous

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



118.8740, -17.7410, -14.3890



117.5120, -31.2210, -12.3810



118.3360, -36.3570, -7.4050

Triad

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



117.5120, -31.2210, -12.3810



126.9160, 0.7770, 13.4570



124.8100, 23.8420, -2.5740

Complementary

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



117.5120, -31.2210, -12.3810



96.4880, 31.2210, 12.3810

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.



125.8910, 28.2880, 4.9600



117.5120, -31.2210, -12.3810



127.4570, 15.3110, 14.3750

Square

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



117.5120, -31.2210, -12.3810



124.6580, -16.2320, 7.8320



127.1390, 24.8940, 11.4060



123.4340, 12.9770, -9.4150

Rectangle

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



117.5120, -31.2210, -12.3810



120.0530, -33.8820, -2.6980



127.1390, 24.8940, 11.4060



125.6470, 25.8590, -0.5810

Sweetspot

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



117.5120, -31.2210, -12.3810



166.9060, -11.5990, -4.5510



112.8940, -12.4660, -27.3940



83.2980, -6.8310, -2.8550



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



117.5120, -31.2210, -12.3810



147.7270, -48.1840, -18.8400



104.3530, -25.8590, 0.5810



64.2060, -3.5760, -1.2720



90.3320, -75.2330, -29.7370



1.9890, -1.4670, -0.9470

Inverse Universe

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



96.4880, 31.2210, 12.3810



115.3870, 47.8630, 19.1510



109.6470, 25.8590, -0.5810



61.7940, 3.5760, 1.2720



39.6680, 75.2330, 29.7370



0.8970, 1.7880, 0.6360

Previews

White Background



This preview shows how the YIQ color 117.5120, -31.2210, -12.3810 looks on a white 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

Black Background



This preview shows how the YIQ color 117.5120, -31.2210, -12.3810 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 117.5120, -31.2210, -12.3810 Background



This preview shows how black text looks on a background with the YIQ color 117.5120, -31.2210, -12.3810.



This preview shows how white text looks on a background with the YIQ color 117.5120, -31.2210, -12.3810.

-12.3810.

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

117.5120, -31.2210, -12.3810

Protanopia

124.7120, 0.8710, 0.7350

Deuteranopia

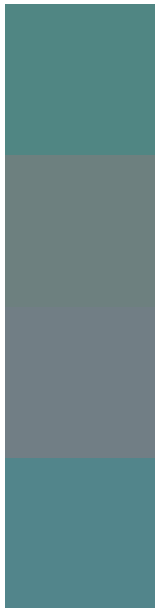
125.7710, 2.3830, 6.3750



Tritanopia

118.6030, -32.7350, -6.9670

Trichromacy



Original Color

117.5120, -31.2210, -12.3810

Protanomaly

122.2050, -11.0030, -4.3390

Deuteranomaly

122.9110, -9.9950, -0.5790

Tritanomaly

118.4350, -32.3220, -8.9460

Monochromacy



Original Color

117.5120, -31.2210, -12.3810

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9060, -11.5990, -4.5510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.5120, -31.2210, -12.3810 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, 134, 131)` looks like.

```
.text, #text, p{  
    color:rgb(80, 134, 131)  
}
```

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, 134, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 134, 131) }
```

Border

The CSS property to change the border of an element to YIQ 117.5120, -31.2210, -12.3810 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, 134, 131) }
```


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

```
.border{ border-color:rgb(80, 134, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 134, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 134, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 134, 131);  
box-shadow:4px 4px 4px 4px rgb(80, 134,  
131) }
```

Background

The CSS property to change the background color of an element to YIQ 117.5120, -31.2210, -12.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 134, 131) }
```

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

```
.background{ background-color: rgb(80, 134,  
131) }
```

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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