

Converting Colors

YIQ(120.0150, 12.8390, -6.9130)

Have a look what the booklet for
YIQ(120.0150, 12.8390, -6.9130)
contains.

YIQ(120.0150, 12.8390, -6.9130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(120.0150, 12.8390,
-6.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	80795E
RGB	128, 121, 94
RGB Percent	50%, 47%, 37%
CMY	0.4980, 0.5255, 0.6313
CMYK	0.00, 0.05, 0.27, 0.50
HSL	48°, 15%, 44%
HSV	48°, 27%, 50%
XYZ	17.7603, 19.0717, 13.3391
YIQ	120.0150, 12.8390, -6.9130

Conversions

Conversions Part 2

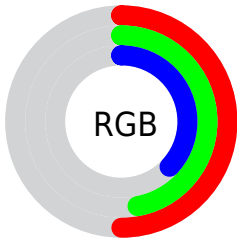
Format	Color
R_{YB}	103, 128, 94
Decimal	8419678
CIE Lab	50.77, -1.95, 15.79
CIE LCh	51, 15.912, 97.055
Yxy	19.0717, 0.3540, 0.3801
Android (android.graphics.Color)	4286609758 (0xFF80795E)
YUV	120.0150, -12.8254, 7.0028
Hunter-Lab	43.6711, -3.8317, 12.4600

Details

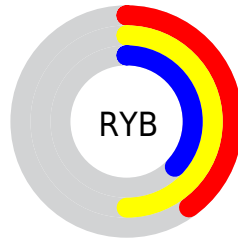
The YIQ color $120.0150, 12.8390, -6.9130$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $101.9850, -12.8390, 6.9130$, and the grayscale version is $120.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $172.2000, 13.7560, -7.0120$, and $71.6450, 11.0050, -6.7150$ is the 20% darker color. If you saturate the color by 10%, you get $116.7720, 17.8370, -9.3870$, and if you desaturate by 10%, it is $123.2580, 7.8410, -4.4390$.

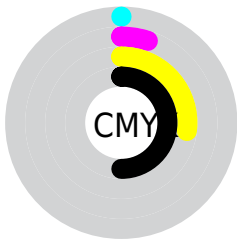
Distribution



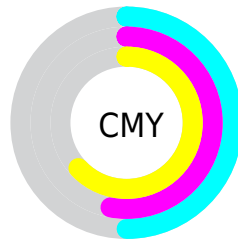
- Red (50%)
- Green (47%)
- Blue (37%)



- Red (40%)
- Yellow (50%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (27%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 120.0150, 12.8390, -6.9130 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 120.0150, 12.8390, -6.9130 by changing the saturation by 10% instead.

■ 120.0150, 12.8390,
-6.9130

■ 120.0150, 12.8390,
-6.9130

■ 255.0000, -0.0000,
-0.0000

■ 95.1290, 12.5180,
-6.6020

■ 172.2000, 13.7560,
-7.0120

■ 71.6450, 11.0050,
-6.7150

■ 199.9720, 14.3980,
-7.6340

■ 48.8730, 10.3630,
-6.0930

■ 227.8580, 14.7190,
-7.9450

■ 27.3030, 11.9680,
-7.6480

■ 251.6940, 9.3090,
-9.0190

■ 2.3480, -1.1000,
-2.0920

■ 0.0000, 0.0000,
0.0000

■ 120.0150, 12.8390,
-6.9130

■ 120.0150, 12.8390,
-6.9130

■ 116.7720, 17.8370,
-9.3870

■ 123.2580, 7.8410,
-4.4390

■ 114.1160, 22.5600,
-12.3840

■ 125.9140, 3.1180,
-1.4420

■ 110.9870, 27.2370,
-14.5470

■ 129.0430, -1.5590,
0.7210

■ 107.7440, 32.2350,
-17.0210

■ 132.2860, -6.5570,
3.1950

■ 105.0880, 36.9580,
-20.0180

■ 134.9420,
-11.2800, 6.1920

■ 101.8450, 41.9560,
-22.4920

■ 138.1850,
-16.2780, 8.6660

■ 99.1890, 46.6790,
-25.4890

■ 140.8410,
-21.0010, 11.6630

■ 98.1460, 48.2380,

■ 143.9700,

-26.2100

-25.6780, 13.8260

■ 147.2130,

-30.6760, 16.3000

Harmonies

Analogous

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



120.8960, 20.7240, -1.1320



120.0150, 12.8390, -6.9130



118.4480, 1.1940, -10.6300

Triad

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



120.0150, 12.8390, -6.9130



115.8700, -29.1130, -6.5290



123.5380, 10.5890, 11.8450

Complementary

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



120.0150, 12.8390, -6.9130



101.9850, -12.8390, 6.9130

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.



122.3670, -2.1110, 10.7290



120.0150, 12.8390, -6.9130



117.7120, -25.4920, -0.5640

Square

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



120.0150, 12.8390, -6.9130



115.5730, -24.0230, -10.6710



120.4900, -15.8190, 5.8530



122.8610, 19.8050, 10.0210

Rectangle

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



120.0150, 12.8390, -6.9130



117.4300, -7.5630, -11.6190



120.4900, -15.8190, 5.8530



123.3850, 6.6460, 11.7180

Sweetspot

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



120.0150, 12.8390, -6.9130



162.6430, 5.3190, -2.7850



104.9640, 18.0170, 9.3850



81.9140, 3.1180, -1.4420



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.



120.0150, 12.8390, -6.9130



153.5010, 20.0380, -10.7300



121.1340, 4.9540, -12.6940



62.0280, 2.7970, -1.1310



97.5590, 48.5130, -25.6870



0.0000, 0.0000, 0.0000

Inverse Universe

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



101.9850, -12.8390, 6.9130



125.4990, -20.0380, 10.7300



100.8660, -4.9540, 12.6940



58.9720, -2.7970, 1.1310



29.8540, -48.2380, 26.2100



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 120.0150, 12.8390, -6.9130 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 120.0150, 12.8390, -6.9130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

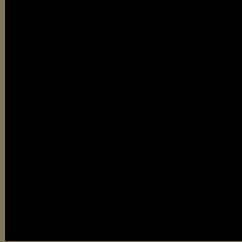
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 120.0150, 12.8390, -6.9130

Background



This preview shows how black text looks on a background with the YIQ color 120.0150, 12.8390, -6.9130.



This preview shows how white text looks on a background with the YIQ color 120.0150, 12.8390,

-6.9130.

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

120.0150, 12.8390, -6.9130

Protanopia

120.3140, 13.4350, -6.7010

Deuteranopia

121.0810, 21.6410, -1.2310



Tritanopia

122.5110, 6.0510, 5.9790

Trichromacy



Original Color

120.0150, 12.8390, -6.9130

Protanomaly

120.3140, 13.4350, -6.7010

Deuteranomaly

120.7600, 18.1110, -3.3370

Tritanomaly

121.4310, 9.0320, 1.5120

Monochromacy



Original Color

120.0150, 12.8390, -6.9130

Achromatopsia

120.0000, -0.0000, -0.0000

Achromatomaly

119.8710, 4.6770, -2.1630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.0150, 12.8390, -6.9130 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(128, 121, 94)` looks like.

```
.text, #text, p{  
    color:rgb(128, 121, 94)  
}
```

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(128, 121, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 121, 94) }
```

Border

The CSS property to change the border of an element to YIQ 120.0150, 12.8390, -6.9130 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(128, 121, 94) }
```


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

```
.border{ border-color:rgb(128, 121, 94) }
```

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

Here you see how a box with a 4 pixel rgb(128, 121, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 121, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 121, 94);  
box-shadow:4px 4px 4px 4px rgb(128, 121,  
94) }
```

Background

The CSS property to change the background color of an element to YIQ 120.0150, 12.8390, -6.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 121, 94) }
```

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

```
.background{ background-color: rgb(128,  
121, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor