

# Converting Colors

YIQ(114.4950, -6.1880, -9.0040)

Have a look what the booklet for  
YIQ(114.4950, -6.1880, -9.0040)  
contains.

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# Color

**YIQ(114.4950, -6.1880,  
-9.0040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	677A6A
RGB	103, 122, 106
RGB Percent	40%, 48%, 42%
CMY	0.5961, 0.5215, 0.5843
CMYK	0.16, 0.00, 0.13, 0.52
HSL	129°, 8%, 44%
HSV	129°, 16%, 48%
XYZ	15.1538, 17.8443, 16.2804
YIQ	114.4950, -6.1880, -9.0040

# Conversions

## Conversions Part 2

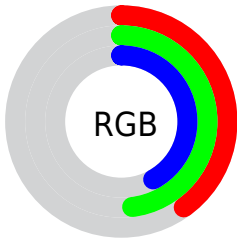
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 119, 122
Decimal	6781546
CIE <sub>Lab</sub>	49.31, -10.37, 6.44
CIE <sub>LCh</sub>	49, 12.212, 148.146
Yxy	17.8443, 0.3075, 0.3621
Android (android.graphics.Color)	4284971626 (0xFF677A6A)
YUV	114.4950, -4.1880, -10.0811
Hunter-Lab	42.2425, -9.8906, 6.7192

# Details

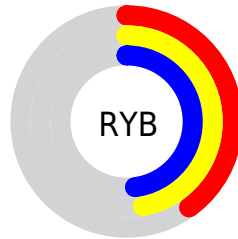
The YIQ color **114.4950, -6.1880, -9.0040** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **110.5050, 6.1880, 9.0040**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.0820, -6.4630, -9.5270**, and **66.3210, -5.6380, -7.9580** is the 20% darker color. If you saturate the color by 10%, you get **109.7670, -10.1300, -14.6580**, and if you desaturate by 10%, it is **119.2230, -2.2460, -3.3500**.

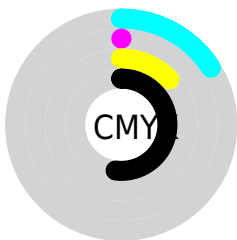
# Distribution



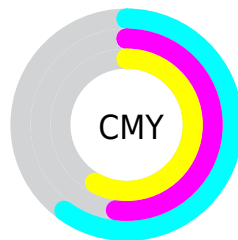
- Red (40%)
- Green (48%)
- Blue (42%)



- Red (40%)
- Yellow (47%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 114.4950, -6.1880, -9.0040 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 114.4950, -6.1880, -9.0040 by changing the saturation by 10% instead.



■ 114.4950, -6.1880,  
-9.0040

■ 114.4950, -6.1880,  
-9.0040

■ 255.0000, -0.0000,  
-0.0000

■ 89.9080, -5.9130,  
-8.4810

■ 166.0820, -6.4630,  
-9.5270

■ 66.3210, -5.6380,  
-7.9580

■ 193.6690, -6.7380,  
-10.0500

■ 44.3210, -5.6380,  
-7.9580

■ 221.6690, -6.7380,  
-10.0500

■ 23.6200, -5.0420,  
-7.7460

■ 247.9080, -5.9130,  
-8.4810

■ 0.0000, 0.0000,  
0.0000

■ 114.4950, -6.1880,

■ 114.4950, -6.1880,

-9.0040

-9.0040

■ 109.7670,  
-10.1300, -14.6580

■ 119.2230, -2.2460,  
-3.3500

■ 104.9250,  
-13.7510, -20.6230

■ 124.0650, 1.3750,  
2.6150

■ 99.8980, -18.2890,  
-26.4890

■ 129.0920, 5.9130,  
8.4810

■ 95.1700, -22.2310,  
-32.1430

■ 133.8200, 9.8550,  
14.1350

■ 90.4420, -26.1730,  
-37.7970

■ 138.5480, 13.7970,  
19.7890

■ 85.6000, -29.7940,  
-43.7620

■ 143.3900, 17.4180,  
25.7540

■ 80.8720, -33.7360,  
-49.4160

■ 148.1180, 21.3600,  
31.4080

■ 75.8450, -38.2740,  
-55.2820

■ 153.1450, 25.8980,  
37.2740

■ 73.7800, -39.6490,  
-57.8970

■ 157.8730, 29.8400,  
42.9280

# Harmonies

## Analogous

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



116.1110, 3.7610, -7.5910



114.4950, -6.1880, -9.0040



113.5310, -15.0370, -8.3250

# Triad

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



114.4950, -6.1880, -9.0040



116.3930, -14.1680, 3.4640



119.0300, 17.6510, 5.0030

# Complementary

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



114.4950, -6.1880, -9.0040



110.5050, 6.1880, 9.0040

# 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.



118.9850, 13.5240, 8.2120



114.4950, -6.1880, -9.0040



118.1770, -4.6320, 6.8560

# Square

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



114.4950, -6.1880, -9.0040



114.4090, -20.2650, -1.6810



119.2060, 5.5920, 8.7920



118.0960, 17.2850, 0.6210



# Rectangle

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



114.4950, -6.1880, -9.0040



113.1330, -19.6680, -6.9960



119.2060, 5.5920, 8.7920



118.7850, 16.9630, 6.4590

# Sweetspot

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



114.4950, -6.1880, -9.0040



154.8100, -2.5210, -3.8730



118.9370, 4.3110, -6.5450



77.0490, -1.6960, -2.3040



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



114.4950, -6.1880, -9.0040



146.1800, -9.8550, -14.1350



115.5210, -9.0770, -6.2050



58.6360, -1.9710, -2.8270



75.6550, -40.7950, -59.1550



152.4840, -82.1400, -119.3560



# Inverse Universe

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



110.5050, 6.1880, 9.0040



139.8200, 9.8550, 14.1350



109.4790, 9.0770, 6.2050



57.3640, 1.9710, 2.8270



49.3450, 40.7950, 59.1550



99.5160, 82.1400, 119.3560



# Previews

## White Background



This preview shows how the YIQ color 114.4950, -6.1880, -9.0040 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 114.4950, -6.1880, -9.0040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

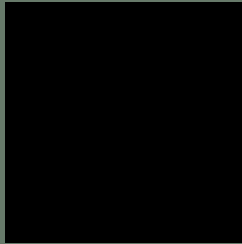
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 114.4950, -6.1880, -9.0040**

## **Background**



This preview shows how black text looks on a background with the YIQ color 114.4950, -6.1880, -9.0040.



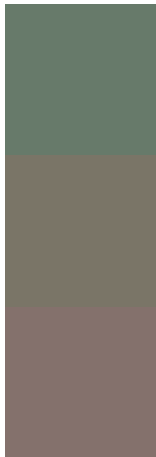
This preview shows how white text looks on a background with the YIQ color 114.4950, -6.1880,

-9.0040.

# 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

114.4950, -6.1880, -9.0040

### Protanopia

116.8990, 7.4740, -3.2940

### Deuteranopia

118.1110, 12.9290, 2.4730



## Tritanopia

116.4380, -10.0410, 0.2550

# Trichromacy



## Original Color

114.4950, -6.1880, -9.0040

## Protanomaly

116.0940, 2.4310, -5.5130

## Deuteranomaly

116.4690, 5.8690, -1.7390

## Tritanomaly

115.8140, -8.3440, -2.9680

# Monochromacy



## Original Color

114.4950, -6.1880, -9.0040

## Achromatopsia

114.0000, 0.0000, 0.0000

## Achromatomaly

114.2230, -2.2460, -3.3500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 114.4950, -6.1880, -9.0040 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(103, 122, 106)` looks like.

```
.text, #text, p{  
    color:rgb(103, 122, 106)  
}
```

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(103, 122, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 122, 106) }
```

## Border

The CSS property to change the border of an element to YIQ 114.4950, -6.1880, -9.0040 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(103, 122, 106) }
```



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

```
.border{ border-color:rgb(103, 122, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 122, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 122, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 122, 106);  
box-shadow:4px 4px 4px 4px rgb(103, 122,  
106) }
```

# Background

The CSS property to change the background color of an element to YIQ 114.4950, -6.1880, -9.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 122, 106) }
```

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

```
.background{ background-color: rgb(103,  
122, 106) }
```

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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