

# Converting Colors

YIQ(107.7170, 10.5020,  
-14.1220)

Have a look what the booklet for  
YIQ(107.7170, 10.5020, -14.1220)  
contains.

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# Color

**YIQ(107.7170, 10.5020,  
-14.1220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D7248
RGB	109, 114, 72
RGB Percent	43%, 45%, 28%
CMY	0.5726, 0.5529, 0.7176
CMYK	0.04, 0.00, 0.37, 0.55
HSL	67°, 23%, 36%
HSV	67°, 37%, 45%
XYZ	13.4933, 15.7538, 8.4637
YIQ	107.7170, 10.5020, -14.1220

# Conversions

## Conversions Part 2

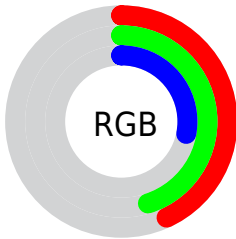
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 114, 77
Decimal	7172680
CIE Lab	46.65, -9.21, 22.66
CIE LCh	47, 24.461, 112.115
Yxy	15.7538, 0.3578, 0.4178
Android (android.graphics.Color)	4285362760 (0xFF6D7248)
YUV	107.7170, -17.6085, 1.1252
Hunter-Lab	39.6911, -8.7766, 15.1407

# Details

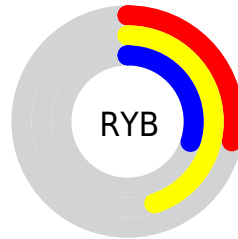
The YIQ color **107.7170, 10.5020, -14.1220** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **78.2830, -10.5020, 14.1220**, and the grayscale version is **108.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **159.3750, 11.4650, -15.0550**, and **59.7600, 8.9430, -13.4010** is the 20% darker color. If you saturate the color by 10%, you get **106.1640, 13.4370, -17.7550**, and if you desaturate by 10%, it is **109.2700, 7.5670, -10.4890**.

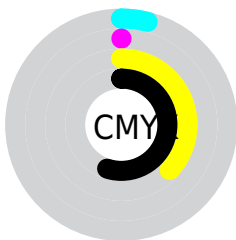
# Distribution



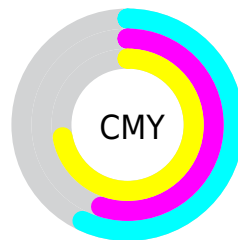
- Red (43%)
- Green (45%)
- Blue (28%)



- Red (28%)
- Yellow (45%)
- Blue (30%)



- Cyan (4%)
- Magenta (0%)
- Yellow (37%)
- Black (55%)



- Cyan (57%)
- Magenta (55%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 107.7170, 10.5020, -14.1220 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 107.7170, 10.5020, -14.1220 by changing the saturation by 10% instead.



■ 107.7170, 10.5020,  
-14.1220

■ 107.7170, 10.5020,  
-14.1220

■ 255.0000, -0.0000,  
-0.0000

■ 83.5320, 9.5850,  
-14.0230

■ 159.3750, 11.4650,  
-15.0550

■ 59.7600, 8.9430,  
-13.4010

■ 186.2610, 11.7860,  
-15.3660

■ 37.5320, 9.5850,  
-14.0230

■ 214.1470, 12.1070,  
-15.6770

■ 17.9750, 1.1480,  
-9.7960

■ 242.3320, 13.0240,  
-15.7760

■ 0.0000, 0.0000,  
0.0000

■ 252.0360, 8.3460,  
-8.0860

■ 107.7170, 10.5020,  
-14.1220

■ 107.7170, 10.5020,  
-14.1220

■ 106.1640, 13.4370,  
-17.7550

■ 109.2700, 7.5670,  
-10.4890

■ 104.1980, 16.0970,  
-21.9110

■ 111.2360, 4.9070,  
-6.3330

■ 102.6450, 19.0320,  
-25.5440

■ 112.7890, 1.9720,  
-2.7000

■ 100.9780, 22.2880,  
-29.4880

■ 114.4560, -1.2840,  
1.2440

■ 99.1260, 24.6270,  
-33.3330

■ 116.3080, -3.6230,  
5.0890

■ 97.5730, 27.5620,  
-36.9660

■ 117.8610, -6.5580,  
8.7220

■ 96.8180, 28.2500,  
-38.4220

■ 119.8270, -9.2180,  
12.8780

■ 121.3800,

-12.1530, 16.5110

■ 123.0470,  
-15.4090, 20.4550

# Harmonies

## Analogous

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



109.6590, 25.5850, -6.6310



107.7170, 10.5020, -14.1220



104.9580, -9.3500, -17.7820

# Triad

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



107.7170, 10.5020, -14.1220



99.4960, -51.4870, -8.5350



113.0560, 23.9300, 17.8660

# Complementary

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



107.7170, 10.5020, -14.1220



78.2830, -10.5020, 14.1220

# 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.



113.3730, 6.9200, 17.7680



107.7170, 10.5020, -14.1220



106.2580, -35.7170, 3.0270

# Square

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



107.7170, 10.5020, -14.1220



97.8240, -49.8350, -16.4510



111.3750, -13.7570, 12.5390



112.4450, 32.7800, 11.6600



# Rectangle

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



107.7170, 10.5020, -14.1220



102.7160, -23.2880, -18.4880



111.3750, -13.7570, 12.5390



113.8320, 18.7490, 18.1490

# Sweetspot

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



107.7170, 10.5020, -14.1220



145.5780, 3.9440, -5.4000



87.4930, 23.6570, 6.2890



72.5610, 2.6140, -3.3220



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



107.7170, 10.5020, -14.1220



138.1980, 16.0970, -21.9110



101.4380, -2.0140, -18.5740



55.0170, 1.3300, -2.0780



102.1340, 30.1760, -40.2880



210.1710, 62.0030, -82.9650



# Inverse Universe

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



78.2830, -10.5020, 14.1220



92.8020, -16.0970, 21.9110



84.5620, 2.0140, 18.5740



50.9830, -1.3300, 2.0780



17.8660, -30.1760, 40.2880



37.1280, -61.4070, 83.1770



# Previews

## White Background



This preview shows how the YIQ color 107.7170, 10.5020, -14.1220 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 107.7170, 10.5020, -14.1220 looks on a black 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

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

# YIQ 107.7170, 10.5020, -14.1220

## Background



This preview shows how black text looks on a background with the YIQ color 107.7170, 10.5020, -14.1220.



This preview shows how white text looks on a background with the YIQ color 107.7170, 10.5020,

-14.1220.

# 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

107.7170, 10.5020, -14.1220

### Protanopia

108.5440, 18.4790, -10.0090

### Deuteranopia

110.1260, 25.7680, -4.4400



## Tritanopia

111.7060, 1.0080, 3.7600

# Trichromacy



## Original Color

107.7170, 10.5020, -14.1220

## Protanomaly

107.9350, 15.8200, -11.3800

## Deuteranomaly

109.3810, 20.4960, -8.0160

## Tritanomaly

110.4580, 4.4020, -2.6860

# Monochromacy



## Original Color

107.7170, 10.5020, -14.1220

## Achromatopsia

108.0000, -0.0000, 0.0000

## Achromatomaly

107.6920, 3.6230, -5.0890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 107.7170, 10.5020, -14.1220 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(109, 114, 72)` looks like.

```
.text, #text, p{  
    color:rgb(109, 114, 72)  
}
```

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(109, 114, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 114, 72) }
```

## Border

The CSS property to change the border of an element to YIQ 107.7170, 10.5020, -14.1220 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(109, 114, 72) }
```



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

```
.border{ border-color:rgb(109, 114, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 114, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 114, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 114, 72);  
box-shadow:4px 4px 4px 4px rgb(109, 114,  
72) }
```

# Background

The CSS property to change the background color of an element to YIQ 107.7170, 10.5020, -14.1220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 114, 72) }
```

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

```
.background{ background-color: rgb(109,  
114, 72) }
```

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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