

# Converting Colors

YIQ(106.6550, -11.0090,  
28.8230)

Have a look what the booklet for  
YIQ(106.6550, -11.0090, 28.8230)  
contains.

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# Color

**YIQ(106.6550, -11.0090,  
28.8230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	725BA8
RGB	114, 91, 168
RGB Percent	45%, 36%, 66%
CMY	0.5528, 0.6432, 0.3413
CMYK	0.32, 0.46, 0.00, 0.34
HSL	258°, 31%, 51%
HSV	258°, 46%, 66%
XYZ	17.7485, 13.8859, 38.7777
YIQ	106.6550, -11.0090, 28.8230

# Conversions

## Conversions Part 2

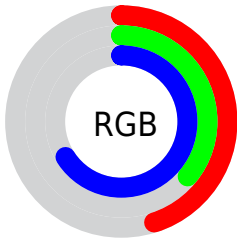
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 91, 168
Decimal	7494568
CIELab	44.07, 26.87, -38.20
CIElCh	44, 46.703, 305.125
Yxy	13.8859, 0.2521, 0.1972
Android (android.graphics.Color)	4285684648 (0xFF725BA8)
YUV	106.6550, 30.2431, 6.4416
Hunter-Lab	37.2638, 19.8070, -35.6142

# Details

The YIQ color **106.6550, -11.0090, 28.8230** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **152.3450, 11.0090, -28.8230**, and the grayscale version is **106.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **159.1220, -10.8260, 31.0140**, and **58.0630, -12.3380, 25.3740** is the 20% darker color. If you saturate the color by 10%, you get **93.0880, -13.4860, 35.1700**, and if you desaturate by 10%, it is **120.2220, -8.5320, 22.4760**.

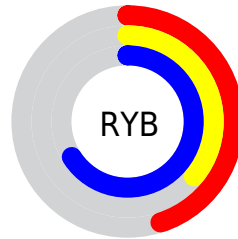
# Distribution



Red (45%)

Green (36%)

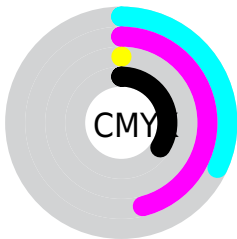
Blue (66%)



Red (45%)

Yellow (36%)

Blue (66%)

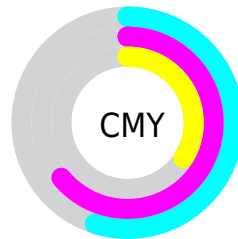


Cyan (32%)

Magenta (46%)

Yellow (0%)

Black (34%)



Cyan (55%)

Magenta (64%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 106.6550, -11.0090, 28.8230 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 106.6550, -11.0090, 28.8230 by changing the saturation by 10% instead.



■ 106.6550,  
-11.0090, 28.8230

■ 106.6550,  
-11.0090, 28.8230

■ 255.0000, -0.0000,  
-0.0000

■ 81.7150, -11.2380,  
27.4660

■ 159.1220,  
-10.8260, 31.0140

■ 58.0630, -12.3380,  
25.3740

■ 185.9480,  
-10.2760, 32.0600

■ 34.8240, -13.1630,  
23.8050

■ 210.5110, -1.9760,  
24.8080

■ 10.2150, -15.8220,  
22.4340

■ 235.9170, 8.2040,  
16.5240

■ 6.1900, -14.6740,  
12.6380

■ 253.2390, 0.8250,  
1.5690

■ 3.0950, -7.3370,  
6.3190

■ 0.0000, 0.0000,

0.0000

■ 106.6550,  
-11.0090, 28.8230

■ 106.6550,  
-11.0090, 28.8230

■ 93.0880, -13.4860,  
35.1700

■ 120.2220, -8.5320,  
22.4760

■ 79.5210, -15.9630,  
41.5170

■ 133.7890, -6.0550,  
16.1290

■ 66.8400, -18.1190,  
47.5530

■ 146.4700, -3.8990,  
10.0930

■ 53.2730, -20.5960,  
53.9000

■ 160.0370, -1.4220,  
3.7460

■ 39.7060, -23.0730,  
60.2470

■ 173.6040, 1.0550,  
-2.6010

■ 34.1020, -24.1280,  
62.8480

■ 187.1710, 3.5320,  
-8.9480

■ 200.4390, 5.4130,  
-15.5070

■ 213.4190, 8.1650,  
-21.3310

■ 226.9860, 10.6420,  
-27.6780

# Harmonies

## Analogous

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



88.3520, -76.8440, 4.9800



106.6550, -11.0090, 28.8230



106.4010, 28.0530, 36.7650

# Triad

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



106.6550, -11.0090, 28.8230



101.2140, 54.6990, -5.6290



84.7410, -69.1350, -30.1190

# Complementary

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



106.6550, -11.0090, 28.8230



152.3450, 11.0090, -28.8230

# 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.



78.4200, -55.4700, -40.9900



106.6550, -11.0090, 28.8230



98.1540, 36.5920, -24.4000

# Square

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



106.6550, -11.0090, 28.8230



101.9230, 60.7930, 16.0970



94.8170, 3.6280, -32.7240



88.4860, -81.0580, -17.7780



# Rectangle

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



106.6550, -11.0090, 28.8230



103.5140, 46.6680, 35.3080



94.8170, 3.6280, -32.7240



82.5580, -64.3660, -33.9500

# Sweetspot

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



106.6550, -11.0090, 28.8230



195.1110, -4.2660, 11.2380



132.0630, -39.8420, -4.8180



94.9600, -2.5230, 7.1810



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



106.6550, -11.0090, 28.8230



123.4440, -17.0640, 44.9520



117.7180, 11.0430, 36.6670



77.5100, -1.3760, 2.9120



30.0280, -21.2840, 55.3560



4.0740, -2.8440, 7.4920



# Inverse Universe

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



120.1790, 28.5580, 33.1180



144.4560, 44.5560, 51.5640



141.2820, -11.0430, -36.6670



79.0760, 2.8420, 3.5620



56.1080, 54.8240, 63.7200



7.5760, 7.4260, 8.5940



# Previews

## White Background



This preview shows how the YIQ color 106.6550, -11.0090, 28.8230 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 106.6550, -11.0090, 28.8230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

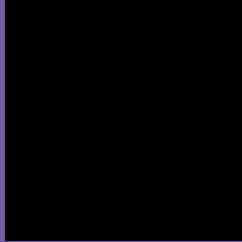
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 106.6550, -11.0090, 28.8230

## Background



This preview shows how black text looks on a background with the YIQ color 106.6550, -11.0090, 28.8230.



This preview shows how white text looks on a background with the YIQ color 106.6550, -11.0090,



# 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

106.6550, -11.0090, 28.8230

### Protanopia

101.3950, -42.8720, 17.0640

### Deuteranopia

100.7880, -39.8450, 11.7630



## Tritanopia

104.6130, -3.1640, 2.2760

# Trichromacy



## Original Color

106.6550, -11.0090, 28.8230

## Protanomaly

103.3750, -30.9520, 21.3040

## Deuteranomaly

102.7510, -29.2550, 18.0810

## Tritanomaly

105.1540, -5.8250, 11.9590

# Monochromacy



## Original Color

106.6550, -11.0090, 28.8230

## Achromatopsia

107.0000, -0.0000, 0.0000

## Achromatomaly

106.8830, -3.6240, 10.6160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 106.6550, -11.0090, 28.8230 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(114, 91, 168)` looks like.

```
.text, #text, p{  
    color:rgb(114, 91, 168)  
}
```

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(114, 91, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 91, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 106.6550, -11.0090, 28.8230 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(114, 91, 168) }
```



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

```
.border{ border-color:rgb(114, 91, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 91, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 91, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 91, 168);  
box-shadow:4px 4px 4px 4px rgb(114, 91,  
168) }
```

# Background

The CSS property to change the background color of an element to YIQ 106.6550, -11.0090, 28.8230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 91, 168) }
```

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

```
.background{ background-color: rgb(114, 91,  
168) }
```

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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