

# Converting Colors

YIQ(105.8230, -11.4220,  
30.8020)

Have a look what the booklet for  
YIQ(105.8230, -11.4220, 30.8020)  
contains.

<b>YIQ(105.8230, -11.4220, 30.8020)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(105.8230, -11.4220,  
30.8020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7259AB
RGB	114, 89, 171
RGB Percent	45%, 35%, 67%
CMY	0.5528, 0.6510, 0.3295
CMYK	0.33, 0.48, 0.00, 0.33
HSL	258°, 33%, 51%
HSV	258°, 48%, 67%
XYZ	17.8627, 13.6616, 40.2097
YIQ	105.8230, -11.4220, 30.8020

# Conversions

## Conversions Part 2

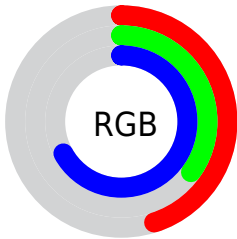
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 89, 171
Decimal	7494059
CIE <sub>Lab</sub>	43.74, 28.88, -40.48
CIE <sub>LCh</sub>	44, 49.731, 305.507
Yxy	13.6616, 0.2490, 0.1904
Android (android.graphics.Color)	4285684139 (0xFF7259AB)
YUV	105.8230, 32.1323, 7.1712
Hunter-Lab	36.9615, 21.5822, -38.6273

# Details

The YIQ color  $105.8230, -11.4220, 30.8020$  is a dark color, and the websafe version is hex  $6666CC$ . A complement of this color would be  $154.1770, 11.4220, -30.8020$ , and the grayscale version is  $106.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $157.7030, -10.9640, 33.5160$ , and  $57.2310, -12.7510, 27.3530$  is the 20% darker color. If you saturate the color by 10%, you get  $92.2560, -13.8990, 37.1490$ , and if you desaturate by 10%, it is  $119.3900, -8.9450, 24.4550$ .

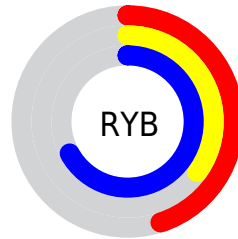
# Distribution



Red (45%)

Green (35%)

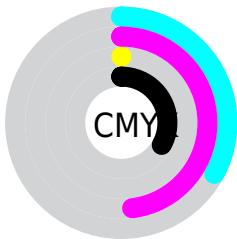
Blue (67%)



Red (45%)

Yellow (35%)

Blue (67%)

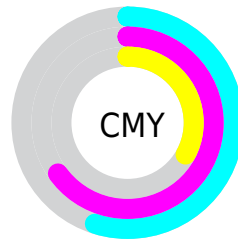


Cyan (33%)

Magenta (48%)

Yellow (0%)

Black (33%)



Cyan (55%)

Magenta (65%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 105.8230, -11.4220, 30.8020 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 105.8230, -11.4220, 30.8020 by changing the saturation by 10% instead.



■ 105.8230,  
-11.4220, 30.8020

■ 105.8230,  
-11.4220, 30.8020

■ 255.0000, -0.0000,  
-0.0000

■ 80.8830, -11.6510,  
29.4450

■ 157.7030,  
-10.9640, 33.5160

■ 56.6440, -12.4760,  
27.8760

■ 185.1160,  
-10.6890, 34.0390

■ 33.3940, -14.7680,  
25.3600

■ 209.6360, -0.8300,  
26.0660

■ 9.9590, -17.9770,  
22.9430

■ 234.7430, 8.7540,  
17.5700

■ 6.4180, -15.3160,  
13.2600

■ 252.0650, 1.3750,  
2.6150

■ 3.3230, -7.9790,  
6.9410

■ 0.0000, 0.0000,

0.0000

■ 105.8230,  
-11.4220, 30.8020

■ 105.8230,  
-11.4220, 30.8020

■ 92.2560, -13.8990,  
37.1490

■ 119.3900, -8.9450,  
24.4550

■ 78.6890, -16.3760,  
43.4960

■ 132.9570, -6.4680,  
18.1080

■ 65.1220, -18.8530,  
49.8430

■ 146.5240, -3.9910,  
11.7610

■ 51.8540, -20.7340,  
56.4020

■ 160.0910, -1.5140,  
5.4140

■ 38.2870, -23.2110,  
62.7490

■ 173.3590, 0.3670,  
-1.1450

■ 35.0420, -23.8990,  
64.2050

■ 187.5130, 2.5690,  
-8.0150

■ 201.0800, 5.0460,  
-14.3620

■ 214.6470, 7.5230,  
-20.7090

■ 228.2140, 10.0000,  
-27.0560

# Harmonies

## Analogous

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



83.4260, -88.8560, 2.4080



105.8230, -11.4220, 30.8020



104.9500, 30.9410, 39.4930

# Triad

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



105.8230, -11.4220, 30.8020



99.8290, 57.2210, -7.2830



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.



105.8230, -11.4220, 30.8020



154.1770, 11.4220, -30.8020

# 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.



78.0780, -54.5070, -41.9230



105.8230, -11.4220, 30.8020



96.3730, 40.1690, -28.6550

# Square

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



105.8230, -11.4220, 30.8020



99.7170, 64.3690, 17.3690



92.3500, 3.4450, -34.9150



88.7140, -81.7000, -17.1560



# Rectangle

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



105.8230, -11.4220, 30.8020



101.6610, 50.7480, 38.4600



92.3500, 3.4450, -34.9150



82.5580, -64.3660, -33.9500

# Sweetspot

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



105.8230, -11.4220, 30.8020



197.2250, -4.5870, 11.5490



131.8070, -41.9970, -4.3090



96.9600, -2.5230, 7.1810



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



105.8230, -11.4220, 30.8020



119.3670, -18.1650, 48.3870



118.0820, 13.0140, 39.4940



79.9230, -1.1010, 3.4350



30.8540, -20.7340, 56.4020



4.7150, -3.2110, 8.6370



# Inverse Universe

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



120.0160, 30.5750, 35.1110



141.8310, 47.9940, 55.3380



141.9180, -13.0140, -39.4940



81.3750, 3.4380, 3.7740



56.7060, 56.0160, 64.1440

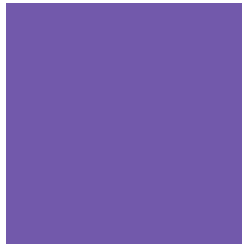


8.7010, 8.5720, 9.8520



# Previews

## White Background



This preview shows how the YIQ color 105.8230, -11.4220, 30.8020 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 105.8230, -11.4220, 30.8020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

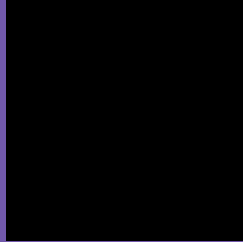
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 105.8230, -11.4220, 30.8020

## Background



This preview shows how black text looks on a background with the YIQ color 105.8230, -11.4220, 30.8020.



This preview shows how white text looks on a background with the YIQ color 105.8230, -11.4220,



# 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

105.8230, -11.4220, 30.8020

### Protanopia

99.7690, -46.8610, 17.7710

### Deuteranopia

99.6350, -43.7880, 11.6360



## Tritanopia

103.6130, -3.1640, 2.2760

# Trichromacy



## Original Color

105.8230, -11.4220, 30.8020

## Protanomaly

102.0480, -34.3450, 22.2230

## Deuteranomaly

102.1960, -32.0060, 18.3780

## Tritanomaly

104.3820, -6.4670, 12.5810

# Monochromacy



## Original Color

105.8230, -11.4220, 30.8020

## Achromatopsia

106.0000, -0.0000, -0.0000

## Achromatomaly

106.1110, -4.2660, 11.2380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 105.8230, -11.4220, 30.8020 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, 89, 171)` looks like.

```
.text, #text, p{  
    color:rgb(114, 89, 171)  
}
```

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, 89, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 89, 171) }
```

## Border

The CSS property to change the border of an element to YIQ 105.8230, -11.4220, 30.8020 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, 89, 171) }
```



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

```
.border{ border-color:rgb(114, 89, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 89, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 89, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 89, 171);  
box-shadow:4px 4px 4px 4px rgb(114, 89,  
171) }
```

# Background

The CSS property to change the background color of an element to YIQ 105.8230, -11.4220, 30.8020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 89, 171) }
```

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

```
.background{ background-color: rgb(114, 89,  
171) }
```

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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