

# Converting Colors

YIQ(115.9910, -21.0030,  
22.7170)

Have a look what the booklet for  
YIQ(115.9910, -21.0030, 22.7170)  
contains.

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# Color

**YIQ(115.9910, -21.0030,  
22.7170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6E6BB2
RGB	110, 107, 178
RGB Percent	43%, 42%, 70%
CMY	0.5686, 0.5804, 0.3021
CMYK	0.38, 0.40, 0.00, 0.30
HSL	243°, 32%, 56%
HSV	243°, 40%, 70%
XYZ	19.7220, 17.0439, 44.3513
YIQ	115.9910, -21.0030, 22.7170

# Conversions

## Conversions Part 2

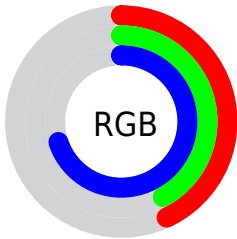
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	110, 107, 178
Decimal	7236530
CIE Lab	48.32, 18.79, -37.37
CIE LCh	48, 41.825, 296.694
Yxy	17.0439, 0.2431, 0.2101
Android (android.graphics.Color)	4285426610 (0xFF6E6BB2)
YUV	115.9910, 30.5704, -5.2541
Hunter-Lab	41.2843, 13.0238, -34.7956

# Details

The YIQ color **115.9910, -21.0030, 22.7170** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **169.0090, 21.0030, -22.7170**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.4580, -20.8200, 24.9080**, and **66.8120, -22.0570, 19.7910** is the 20% darker color. If you saturate the color by 10%, you get **100.3420, -26.1850, 28.5270**, and if you desaturate by 10%, it is **131.6400, -15.8210, 16.9070**.

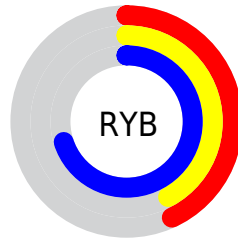
# Distribution



Red (43%)

Green (42%)

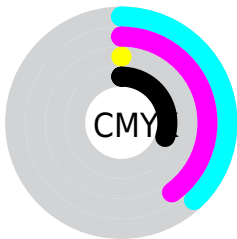
Blue (70%)



Red (43%)

Yellow (42%)

Blue (70%)

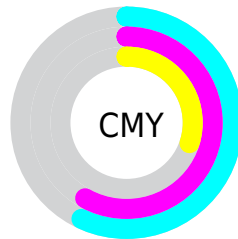


Cyan (38%)

Magenta (40%)

Yellow (0%)

Black (30%)



Cyan (57%)

Magenta (58%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 115.9910, -21.0030, 22.7170 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 115.9910, -21.0030, 22.7170 by changing the saturation by 10% instead.



■ 115.9910,  
-21.0030, 22.7170

■ 115.9910,  
-21.0030, 22.7170

■ 255.0000, -0.0000,  
-0.0000

■ 91.0510, -21.2320,  
21.3600

■ 168.4580,  
-20.8200, 24.9080

■ 66.8120, -22.0570,  
19.7910

■ 195.0730,  
-18.2980, 23.2540

■ 42.5620, -24.3490,  
17.2750

■ 219.8810, -9.3100,  
14.5460

■ 19.1160, -29.0250,  
13.9110

■ 245.2870, 0.8700,  
6.2620

■ 5.9280, -16.6920,  
16.1720

■ 4.5940, -10.1800,  
8.2840

■ 0.0000, 0.0000,

0.0000

■ 115.9910,  
-21.0030, 22.7170

■ 115.9910,  
-21.0030, 22.7170

■ 100.3420,  
-26.1850, 28.5270

■ 131.6400,  
-15.8210, 16.9070

■ 84.6930, -31.3670,  
34.3370

■ 147.2890,  
-10.6390, 11.0970

■ 69.6310, -36.8240,  
39.6240

■ 162.3510, -5.1820,  
5.8100

■ 53.9820, -42.0060,  
45.4340

■ 178.0000, -0.0000,  
-0.0000

■ 38.3330, -47.1880,  
51.2440

■ 193.6490, 5.1820,  
-5.8100

■ 22.6840, -52.3700,  
57.0540

■ 209.2980, 10.3640,  
-11.6200

■ 224.9470, 15.5460,  
-17.4300

■ 240.0090, 21.0030,  
-22.7170

■ 246.2220, 24.7170,  
-23.9470

# Harmonies

## Analogous

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



98.1080, -79.2730, -0.5610



115.9910, -21.0030, 22.7170



118.1930, 16.7750, 31.9030

# Triad

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



115.9910, -21.0030, 22.7170



113.2450, 53.4140, 1.1420



89.9100, -71.2890, -35.1370

# Complementary

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



115.9910, -21.0030, 22.7170



169.0090, 21.0030, -22.7170

# 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.



101.5010, -24.6610, -32.1570



115.9910, -21.0030, 22.7170



111.0930, 38.5620, -16.0460

# Square

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



115.9910, -21.0030, 22.7170



114.2800, 55.4740, 18.8820



107.8830, 12.4300, -27.0420



94.0140, -82.8450, -23.9410



# Rectangle

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



115.9910, -21.0030, 22.7170



116.9580, 36.4900, 32.5380



107.8830, 12.4300, -27.0420



87.9550, -67.1620, -38.3460

# Sweetspot

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



115.9910, -21.0030, 22.7170



207.4910, -8.3920, 8.9200



155.5970, -41.7660, -14.0060



103.1230, -4.5400, 5.1880



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



115.9910, -21.0030, 22.7170



134.8500, -33.2470, 35.3690



126.4560, -0.1430, 30.1370



81.3250, -2.2930, 3.0110



19.5350, -44.9410, 49.0670



3.2630, -7.7500, 8.2980



# Inverse Universe

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



135.9810, 20.4880, 36.2000



166.2730, 32.1300, 56.4980



158.5440, 0.1430, -30.1370



83.7170, 2.4750, 4.7070



62.3910, 44.3220, 77.8420



10.5100, 7.7920, 12.9760



# Previews

## White Background



This preview shows how the YIQ color 115.9910, -21.0030, 22.7170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

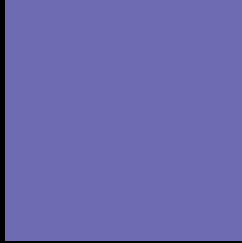
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 115.9910, -21.0030, 22.7170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

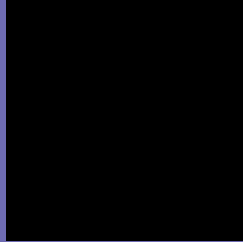
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 115.9910, -21.0030, 22.7170

## Background



This preview shows how black text looks on a background with the YIQ color 115.9910, -21.0030, 22.7170.



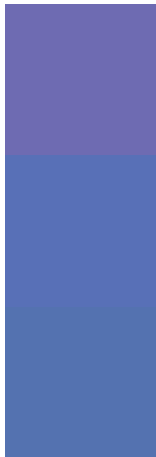
This preview shows how white text looks on a background with the YIQ color 115.9910, -21.0030,



# 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

115.9910, -21.0030, 22.7170

### Protanopia

112.9180, -37.0950, 16.9930

### Deuteranopia

112.0980, -37.7820, 12.9220



## Tritanopia

113.0460, -14.8090, -1.4410

# Trichromacy



## Original Color

115.9910, -21.0030, 22.7170

## Protanomaly

113.9080, -31.1350, 19.1130

## Deuteranomaly

113.1420, -31.9140, 16.7100

## Tritanomaly

114.0600, -17.4240, 7.4080

# Monochromacy



## Original Color

115.9910, -21.0030, 22.7170

## Achromatopsia

116.0000, -0.0000, 0.0000

## Achromatomaly

116.2630, -7.7500, 8.2980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 115.9910, -21.0030, 22.7170 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(110, 107, 178)` looks like.

```
.text, #text, p{  
    color:rgb(110, 107, 178)  
}
```

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(110, 107, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 107, 178) }
```

## Border

The CSS property to change the border of an element to YIQ 115.9910, -21.0030, 22.7170 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(110, 107, 178) }
```



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

```
.border{ border-color:rgb(110, 107, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 107, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 107, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 107, 178);  
box-shadow:4px 4px 4px 4px rgb(110, 107,  
178) }
```

# Background

The CSS property to change the background color of an element to YIQ 115.9910, -21.0030, 22.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 107, 178) }
```

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

```
.background{ background-color: rgb(110,  
107, 178) }
```

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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