

# Converting Colors

YIQ(104.9510, -49.8890,  
28.5990)

Have a look what the booklet for  
YIQ(104.9510, -49.8890, 28.5990)  
contains.

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# Color

**YIQ(104.9510, -49.8890,  
28.5990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B64D1
RGB	75, 100, 209
RGB Percent	29%, 39%, 82%
CMY	0.7058, 0.6078, 0.1807
CMYK	0.64, 0.52, 0.00, 0.18
HSL	229°, 59%, 56%
HSV	229°, 64%, 82%
XYZ	18.9597, 15.2122, 62.2118
YIQ	104.9510, -49.8890, 28.5990

# Conversions

## Conversions Part 2

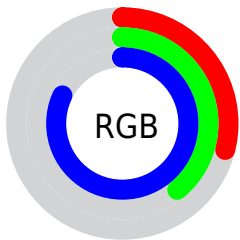
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 96, 209
Decimal	4941009
CIE Lab	45.92, 25.24, -59.19
CIE LCh	46, 64.349, 293.089
Yxy	15.2122, 0.1967, 0.1578
Android (android.graphics.Color)	4283131089 (0xFF4B64D1)
YUV	104.9510, 51.2962, -26.2670
Hunter-Lab	39.0029, 18.5158, -67.2690

# Details

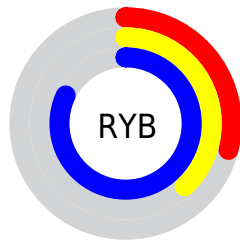
The YIQ color **104.9510, -49.8890, 28.5990** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **179.0490, 49.8890, -28.5990**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **157.7840, -42.0490, 29.6870**, and **49.2540, -64.2840, 19.6520** is the 20% darker color. If you saturate the color by 10%, you get **88.6930, -57.7300, 33.0380**, and if you desaturate by 10%, it is **121.2090, -42.0480, 24.1600**.

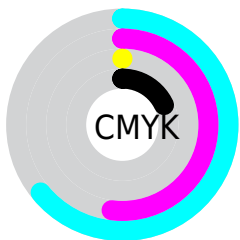
# Distribution



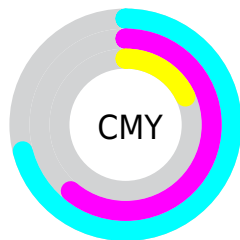
- Red (29%)
- Green (39%)
- Blue (82%)



- Red (29%)
- Yellow (38%)
- Blue (82%)



- Cyan (64%)
- Magenta (52%)
- Yellow (0%)
- Black (18%)



- Cyan (71%)
- Magenta (61%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 104.9510, -49.8890, 28.5990 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 104.9510, -49.8890, 28.5990 by changing the saturation by 10% instead.



■ 104.9510,  
-49.8890, 28.5990

■ 104.9510,  
-49.8890, 28.5990

■ 255.0000, -0.0000,  
-0.0000

■ 76.6080, -56.3530,  
24.5990

■ 157.7840,  
-42.0490, 29.6870

■ 49.2540, -64.2840,  
19.6520

■ 182.6030,  
-31.5940, 21.9260

■ 34.4360, -50.1170,  
21.7150

■ 207.1230,  
-21.7350, 13.9530

■ 20.3190, -36.5460,  
23.5660

■ 233.1160,  
-11.8300, 5.1460

■ 10.4250, -25.2210,  
22.0670

■ 8.9770, -18.3880,  
13.8680

■ 4.7080, -10.5010,

8.5950

■ 0.1140, -0.3210,  
0.3110

■ 0.0000, 0.0000,  
0.0000

■ 104.9510,  
-49.8890, 28.5990

■ 104.9510,  
-49.8890, 28.5990

■ 88.6930, -57.7300,  
33.0380

■ 121.2090,  
-42.0480, 24.1600

■ 72.4350, -65.5710,  
37.4770

■ 137.4670,  
-34.2070, 19.7210

■ 56.1770, -73.4120,  
41.9160

■ 153.7250,  
-26.3660, 15.2820

■ 46.7190, -77.8140,  
44.6020

■ 169.9830,  
-18.5250, 10.8430

■ 185.9420,  
-11.2800, 6.1920

■ 202.2000, -3.4390,  
1.7530

■ 218.4580, 4.4020,  
-2.6860

■ 234.7160, 12.2430,  
-7.1250

■ 248.5820, 15.3160,  
-13.2600

# Harmonies

## Analogous

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



94.5910, -102.3820, 5.2500



104.9510, -49.8890, 28.5990



109.9400, 19.7060, 50.3780

# Triad

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



104.9510, -49.8890, 28.5990



101.5440, 80.3730, 2.6530



88.2000, -66.4740, -39.8020

# Complementary

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



104.9510, -49.8890, 28.5990



179.0490, 49.8890, -28.5990

# 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.



78.7670, -46.8020, -54.9140



104.9510, -49.8890, 28.5990



102.3320, 56.5820, -23.2420

# Square

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



104.9510, -49.8890, 28.5990



98.0160, 83.3010, 37.7090



96.7740, 22.3820, -42.2100



94.5840, -84.4500, -22.3860



# Rectangle

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



104.9510, -49.8890, 28.5990



103.3970, 52.2120, 55.9880



96.7740, 22.3820, -42.2100



85.4470, -60.1000, -45.1880

# Sweetspot

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



104.9510, -49.8890, 28.5990



217.7550, -17.8830, 10.2210



165.8560, -71.1970, -36.8050



104.9420, -11.2800, 6.1920



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



104.9510, -49.8890, 28.5990



102.4760, -72.8160, 42.1280



102.2360, -19.1740, 50.1540



96.4280, -4.0810, 2.3750



37.3490, -62.4530, 36.0350



9.3700, -15.3610, 8.5670



# Inverse Universe

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



117.9160, 71.8390, 36.1830



121.7080, 105.2600, 52.7480



181.7640, 19.1740, -50.1540



97.5170, 5.9140, 2.9540



53.7660, 90.1770, 45.2570



13.1710, 21.8680, 11.1800



# Previews

## White Background



This preview shows how the YIQ color 104.9510, -49.8890, 28.5990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

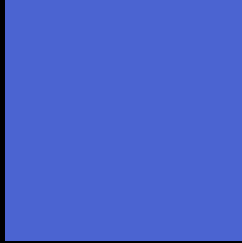
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 104.9510, -49.8890, 28.5990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

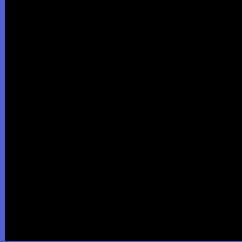
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 104.9510, -49.8890, 28.5990

## Background



This preview shows how black text looks on a background with the YIQ color 104.9510, -49.8890, 28.5990.



This preview shows how white text looks on a background with the YIQ color 104.9510, -49.8890, 28.5990.



# 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

104.9510, -49.8890, 28.5990

### Protanopia

97.3930, -74.9210, 19.6950

### Deuteranopia

87.1590, -92.4780, 1.9700



## Tritanopia

92.9200, -58.9130, -17.1290

# Trichromacy



## Original Color

104.9510, -49.8890, 28.5990

## Protanomaly

99.8780, -65.9810, 22.8750

## Deuteranomaly

93.5680, -77.2120, 11.6520

## Tritanomaly

97.4990, -55.5690, -0.6330

# Monochromacy



## Original Color

104.9510, -49.8890, 28.5990

## Achromatopsia

105.0000, 0.0000, 0.0000

## Achromatomaly

104.8690, -18.2040, 10.5320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 104.9510, -49.8890, 28.5990 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(75, 100, 209)` looks like.

```
.text, #text, p{  
    color:rgb(75, 100, 209)  
}
```

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(75, 100, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 100, 209) }
```

## Border

The CSS property to change the border of an element to YIQ 104.9510, -49.8890, 28.5990 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(75, 100, 209) }
```



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

```
.border{ border-color:rgb(75, 100, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 100, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 100, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 100, 209);  
box-shadow:4px 4px 4px 4px rgb(75, 100,  
209) }
```

# Background

The CSS property to change the background color of an element to YIQ 104.9510, -49.8890, 28.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 100, 209) }
```

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

```
.background{ background-color: rgb(75, 100,  
209) }
```

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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