

# Converting Colors

YIQ(59.7210, 6.9610, 44.5690)

Have a look what the booklet for  
YIQ(59.7210, 6.9610, 44.5690)  
contains.

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# Color

**YIQ(59.7210, 6.9610,  
44.5690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E1D80
RGB	94, 29, 128
RGB Percent	37%, 11%, 50%
CMY	0.6311, 0.8864, 0.4981
CMYK	0.27, 0.77, 0.00, 0.50
HSL	279°, 63%, 31%
HSV	279°, 77%, 50%
XYZ	8.9559, 4.8182, 20.8757
YIQ	59.7210, 6.9610, 44.5690

# Conversions

## Conversions Part 2

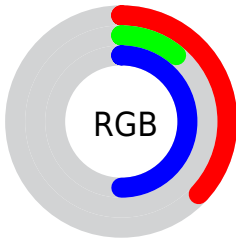
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 29, 128
Decimal	6167936
CIE <sub>Lab</sub>	26.21, 45.58, -42.55
CIE <sub>LCh</sub>	26, 62.355, 316.972
Yxy	4.8182, 0.2585, 0.1391
Android (android.graphics.Color)	4284358016 (0xFF5E1D80)
YUV	59.7210, 33.6615, 30.0627
Hunter-Lab	21.9504, 34.4162, -41.0220

# Details

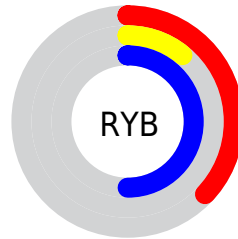
The YIQ color **59.7210, 6.9610, 44.5690** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **97.2790, -6.9610, -44.5690**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **111.9600, 7.7860, 46.1380**, and **21.4500, -0.0060, 33.1620** is the 20% darker color. If you saturate the color by 10%, you get **50.8940, 8.1520, 50.5200**, and if you desaturate by 10%, it is **68.5480, 5.7700, 38.6180**.

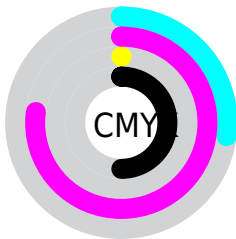
# Distribution



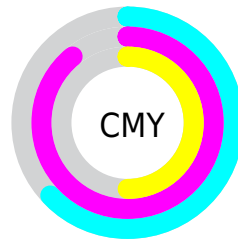
- Red (37%)
- Green (11%)
- Blue (50%)



- Red (37%)
- Yellow (11%)
- Blue (50%)



- Cyan (27%)
- Magenta (77%)
- Yellow (0%)
- Black (50%)



- Cyan (63%)
- Magenta (89%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 59.7210, 6.9610, 44.5690 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 59.7210, 6.9610, 44.5690 by changing the saturation by 10% instead.



■ 59.7210, 6.9610,  
44.5690

■ 59.7210, 6.9610,  
44.5690

■ 255.0000, -0.0000,  
-0.0000

■ 31.9600, 7.7860,  
46.1380

■ 111.9600, 7.7860,  
46.1380

■ 21.4500, -0.0060,  
33.1620

■ 138.6720, 8.6570,  
46.8730

■ 11.2390, -7.2020,  
20.3980

■ 165.6120, 8.8860,  
48.2300

■ 4.8220, -10.8220,  
8.9060

■ 192.0700, 13.2880,  
45.5440

■ 0.4560, -1.2840,  
1.2440


■ 215.0840, 18.7000,  
35.5640


■ 0.0000, 0.0000,  
0.0000

■ 231.5200, 11.0000,

20.9200


 248.5430, 3.0250,  
5.7530

 59.7210, 6.9610,  
44.5690


 59.7210, 6.9610,  
44.5690


 50.8940, 8.1520,  
50.5200


 68.5480, 5.7700,  
38.6180

 41.7680, 8.7470,  
56.2590

 77.6740, 5.1750,  
32.8790

 39.7080, 8.9760,  
57.6160

 85.9140, 4.2590,  
27.4510

 95.0400, 3.6640,  
21.7120

 103.8670, 2.4730,  
15.7610

■ 112.6940, 1.2820,  
9.8100

■ 121.8200, 0.6870,  
4.0710

■ 130.0600, -0.2290,  
-1.3570

■ 139.1860, -0.8240,  
-7.0960

# Harmonies

## Analogous

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



52.3030, -65.9800, 17.3480



59.7210, 6.9610, 44.5690



49.4570, 51.9830, 54.6310

# Triad

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



59.7210, 6.9610, 44.5690



58.6300, 41.7240, -7.2680



57.1060, -50.5690, -14.1610

# Complementary

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



59.7210, 6.9610, 44.5690



97.2790, -6.9610, -44.5690

# 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.



50.8190, -34.2440, -29.1880



59.7210, 6.9610, 44.5690



55.4640, 12.2920, -24.5400

# Square

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



59.7210, 6.9610, 44.5690



49.1150, 69.0000, 16.0400



44.6120, -20.9000, -39.7480



62.0080, -64.3720, -0.7880



# Rectangle

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



59.7210, 6.9610, 44.5690



48.2010, 67.0230, 46.3750



44.6120, -20.9000, -39.7480



55.1680, -45.1120, -19.4480

# Sweetspot

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



59.7210, 6.9610, 44.5690



139.8070, 2.7020, 17.1180



60.8310, -41.4040, 12.4840



68.1070, 1.5570, 10.3330



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



59.7210, 6.9610, 44.5690



59.7550, 10.7620, 69.3060



68.1770, 32.0400, 47.1120



59.2930, 0.7330, 3.2370



39.7080, 8.9760, 57.6160



0.0000, 0.0000, 0.0000



# Inverse Universe

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



62.4770, 48.0900, 31.5620



63.9740, 75.0920, 48.8200



88.8230, -32.0400, -47.1120



59.4350, 3.2090, 2.4170



43.2880, 62.1640, 40.8200

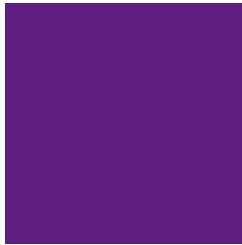


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 59.7210, 6.9610, 44.5690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

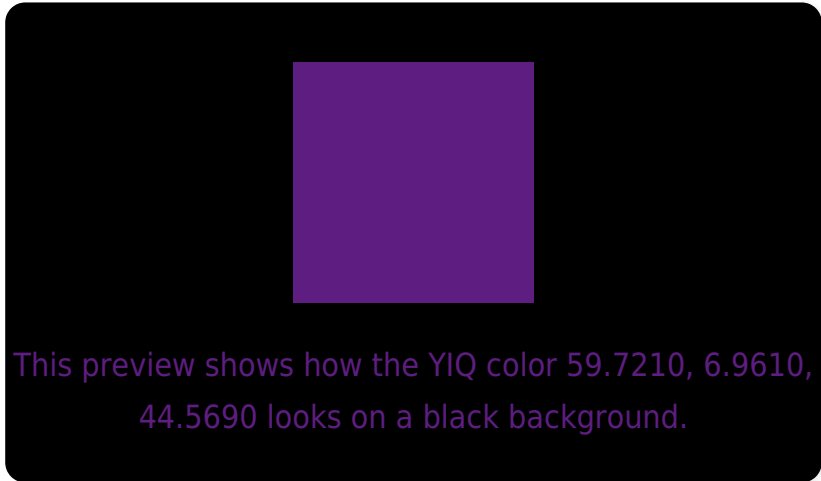
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

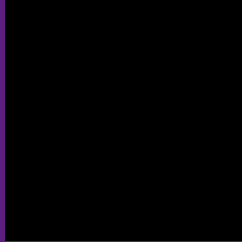
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 59.7210, 6.9610, 44.5690

## Background



This preview shows how black text looks on a background with the YIQ color 59.7210, 6.9610, 44.5690.



This preview shows how white text looks on a background with the YIQ color 59.7210, 6.9610,



# 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

59.7210, 6.9610, 44.5690

### Protanopia

50.5130, -58.1840, 8.2160

### Deuteranopia

51.0370, -54.1480, 1.1480



## Tritanopia

63.9420, 15.0830, 7.4910

# Trichromacy



**Original Color**

59.7210, 6.9610, 44.5690

**Protanomaly**

53.6350, -34.6200, 21.7000

**Deuteranomaly**

54.1420, -31.9140, 16.7100

**Tritanomaly**

62.7050, 11.9170, 20.8210

# Monochromacy



**Original Color**

59.7210, 6.9610, 44.5690

**Achromatopsia**

60.0000, -0.0000, -0.0000

**Achromatomaly**

59.9810, 2.1520, 16.0720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 59.7210, 6.9610, 44.5690 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(94, 29, 128)` looks like.

```
.text, #text, p{  
    color:rgb(94, 29, 128)  
}
```

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(94, 29, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 29, 128) }
```

## Border

The CSS property to change the border of an element to YIQ 59.7210, 6.9610, 44.5690 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(94, 29, 128) }
```



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

```
.border{ border-color:rgb(94, 29, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 29, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 29, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 29, 128);  
box-shadow:4px 4px 4px 4px rgb(94, 29,  
128) }
```

# Background

The CSS property to change the background color of an element to YIQ 59.7210, 6.9610, 44.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 29, 128) }
```

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

```
.background{ background-color: rgb(94, 29,  
128) }
```

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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