

# Converting Colors

YIQ(59.9640, 9.9900, 28.2140)

Have a look what the booklet for  
YIQ(59.9640, 9.9900, 28.2140)  
contains.

<b>YIQ(59.9640, 9.9900, 28.2140)</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(59.9640, 9.9900,  
28.2140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	572761
RGB	87, 39, 97
RGB Percent	34%, 15%, 38%
CMY	0.6587, 0.8471, 0.6196
CMYK	0.10, 0.60, 0.00, 0.62
HSL	290°, 43%, 27%
HSV	290°, 60%, 38%
XYZ	6.8165, 4.3408, 11.7875
YIQ	59.9640, 9.9900, 28.2140

# Conversions

## Conversions Part 2

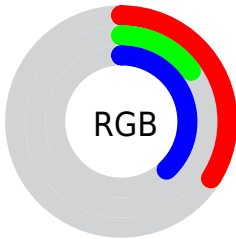
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 39, 97
Decimal	5711713
CIELab	24.77, 32.01, -25.03
CIELCh	25, 40.637, 321.978
Yxy	4.3408, 0.2971, 0.1892
Android (android.graphics.Color)	4283901793 (0xFF572761)
YUV	59.9640, 18.2587, 23.7106
Hunter-Lab	20.8347, 21.9394, -18.9599

# Details

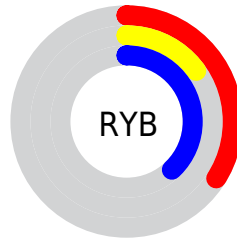
The YIQ color **59.9640, 9.9900, 28.2140** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **76.0360, -9.9900, -28.2140**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **109.5020, 11.4110, 29.9950**, and **17.6600, 7.7900, 24.0300** is the 20% darker color. If you saturate the color by 10%, you get **53.4960, 11.5480, 33.0200**, and if you desaturate by 10%, it is **66.4320, 8.4320, 23.4080**.

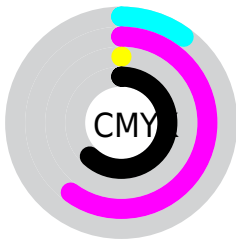
# Distribution



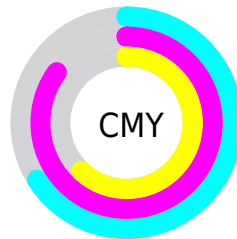
- Red (34%)
- Green (15%)
- Blue (38%)



- Red (34%)
- Yellow (15%)
- Blue (38%)



- Cyan (10%)
- Magenta (60%)
- Yellow (0%)
- Black (62%)



- Cyan (66%)
- Magenta (85%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 59.9640, 9.9900, 28.2140 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 59.9640, 9.9900, 28.2140 by changing the saturation by 10% instead.



■ 59.9640, 9.9900,  
28.2140

■ 59.9640, 9.9900,  
28.2140

■ 255.0000, -0.0000,  
-0.0000

■ 35.9640, 9.9900,  
28.2140

■ 109.5020, 11.4110,  
29.9950

■ 17.6600, 7.7900,  
24.0300

■ 135.0290, 11.3650,  
30.8290

■ 5.1000, -5.7330,  
10.2910

■ 161.7410, 12.2360,  
31.5640

■ 0.0000, 0.0000,  
0.0000

■ 189.1540, 12.5110,  
32.0870

■ 216.5240, 14.3450,  
31.8890

■ 234.4550, 9.6250,

18.3050

251.4780, 1.6500,  
3.1380

59.9640, 9.9900,  
28.2140

59.9640, 9.9900,  
28.2140

53.4960, 11.5480,  
33.0200

66.4320, 8.4320,  
23.4080

47.9140, 13.4270,  
37.5150

72.0140, 6.5530,  
18.9130

41.4460, 14.9850,  
42.3210

78.4820, 4.9950,  
14.1070

34.9780, 16.5430,  
47.1270

84.9500, 3.4370,  
9.3010

90.5320, 1.5580,  
4.8060

■ 97.0000, -0.0000,  
0.0000

■ 103.4680, -1.5580,  
-4.8060

■ 109.6370, -3.7120,  
-9.8240

■ 115.5180, -4.9950,  
-14.1070

# Harmonies

## Analogous

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



56.2840, -29.4380, 15.8900



59.9640, 9.9900, 28.2140



55.0180, 36.2610, 31.1810

# Triad

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



59.9640, 9.9900, 28.2140



55.6180, 32.8300, -11.2820



51.4980, -45.8010, -12.4650

# Complementary

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



59.9640, 9.9900, 28.2140



76.0360, -9.9900, -28.2140

# 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.



47.8500, -35.5290, -22.4170



59.9640, 9.9900, 28.2140



52.8170, 12.7960, -22.6600

# Square

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



59.9640, 9.9900, 28.2140



55.1780, 46.3530, 2.4570



42.4410, -24.4320, -30.8000



53.8750, -53.8720, -3.8560



# Rectangle

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



59.9640, 9.9900, 28.2140



53.3470, 45.3400, 26.3320



42.4410, -24.4320, -30.8000



50.3580, -42.5910, -15.5750

# Sweetspot

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



59.9640, 9.9900, 28.2140



110.3030, 3.9410, 11.1810



52.0690, -21.6430, 12.2850



54.8850, 2.0620, 6.6860



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



59.9640, 9.9900, 28.2140



67.6850, 15.8100, 43.8900



60.9020, 21.7280, 24.7360



45.6520, 1.1000, 2.0920



40.5750, 19.4760, 54.5480



86.8610, 41.5640, 116.8280



# Inverse Universe

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



57.4820, 31.3580, 15.4060



63.6200, 48.8250, 23.7450



75.0980, -21.7280, -24.7360



45.1960, 2.3840, 0.8480



35.6540, 60.6530, 29.6530



76.4340, 129.8790, 63.6310



# Previews

## White Background



This preview shows how the YIQ color 59.9640, 9.9900, 28.2140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

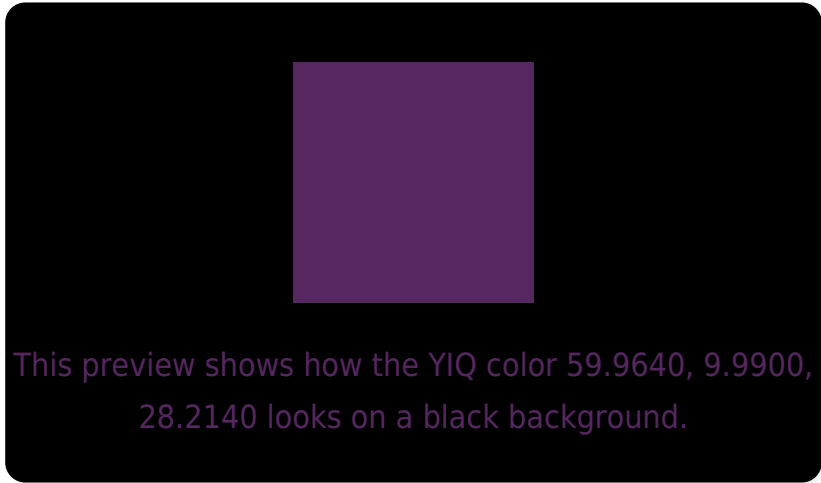
Any Text WCAG AA ✓ Pass

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

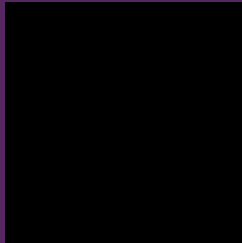
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 59.9640, 9.9900, 28.2140**

## **Background**



This preview shows how black text looks on a background with the YIQ color 59.9640, 9.9900, 28.2140.



This preview shows how white text looks on a background with the YIQ color 59.9640, 9.9900,



# 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

59.9640, 9.9900, 28.2140

### Protanopia

54.9300, -37.3690, 10.9430

### Deuteranopia

58.3800, -21.3210, 6.4470



## Tritanopia

60.4260, 16.5960, 7.6040

# Trichromacy



## Original Color

59.9640, 9.9900, 28.2140

## Protanomaly

56.6010, -20.0850, 17.0910

## Deuteranomaly

58.5820, -9.9060, 14.3340

## Tritanomaly

60.3860, 14.0730, 14.7850

# Monochromacy



## Original Color

59.9640, 9.9900, 28.2140

## Achromatopsia

60.0000, -0.0000, -0.0000

## Achromatomaly

59.7760, 3.9870, 10.3470

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 59.9640, 9.9900, 28.2140 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(87, 39, 97)` looks like.

```
.text, #text, p{  
    color:rgb(87, 39, 97)  
}
```

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(87, 39, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 39, 97) }
```

## Border

The CSS property to change the border of an element to YIQ 59.9640, 9.9900, 28.2140 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(87, 39, 97) }
```



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

```
.border{ border-color:rgb(87, 39, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 39, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 39, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 39, 97);  
box-shadow:4px 4px 4px 4px rgb(87, 39, 97)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 59.9640, 9.9900, 28.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 39, 97) }
```

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

```
.background{ background-color: rgb(87, 39,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor