

# Converting Colors

YIQ(59.9180, -1.5640, 28.3560)

Have a look what the booklet for  
YIQ(59.9180, -1.5640, 28.3560)  
contains.

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# Color

**YIQ(59.9180, -1.5640,  
28.3560)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C2A6E
RGB	76, 42, 110
RGB Percent	30%, 16%, 43%
CMY	0.7018, 0.8353, 0.5687
CMYK	0.31, 0.62, 0.00, 0.57
HSL	270°, 45%, 30%
HSV	270°, 62%, 43%
XYZ	6.6241, 4.3182, 15.2319
YIQ	59.9180, -1.5640, 28.3560

# Conversions

## Conversions Part 2

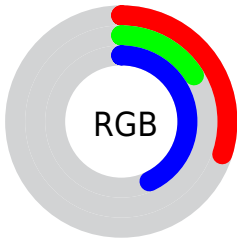
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 42, 110
Decimal	4991598
CIE <sub>Lab</sub>	24.70, 30.35, -33.66
CIE <sub>LCh</sub>	25, 45.317, 312.039
Yxy	4.3182, 0.2531, 0.1650
Android (android.graphics.Color)	4283181678 (0xFF4C2A6E)
YUV	59.9180, 24.6904, 14.1039
Hunter-Lab	20.7802, 20.5350, -28.9135

# Details

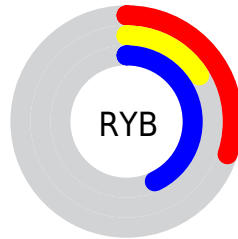
The YIQ color **59.9180, -1.5640, 28.3560** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **92.0820, 1.5640, -28.3560**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **108.6840, -0.7850, 30.7590**, and **15.4400, -3.2140, 25.2180** is the 20% darker color. If you saturate the color by 10%, you get **51.9660, -1.5190, 33.0490**, and if you desaturate by 10%, it is **68.1690, -1.0130, 23.8750**.

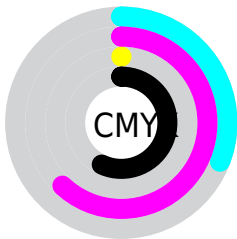
# Distribution



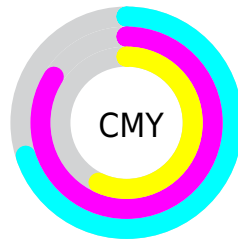
- Red (30%)
- Green (16%)
- Blue (43%)



- Red (30%)
- Yellow (16%)
- Blue (43%)



- Cyan (31%)
- Magenta (62%)
- Yellow (0%)
- Black (57%)



- Cyan (70%)
- Magenta (84%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 59.9180, -1.5640, 28.3560 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 59.9180, -1.5640, 28.3560 by changing the saturation by 10% instead.



■ 59.9180, -1.5640,  
28.3560

■ 59.9180, -1.5640,  
28.3560

■ 255.0000, -0.0000,  
-0.0000

■ 36.0920, -2.1140,  
27.3100

■ 108.6840, -0.7850,  
30.7590

■ 15.4400, -3.2140,  
25.2180

■ 134.5100, -0.2350,  
31.8050

■ 4.4460, -12.5190,  
12.1290

■ 161.3360, 0.3150,  
32.8510

■ 2.4110, -5.4110,  
4.4530

■ 188.8630, 0.2690,  
33.6850

■ 0.0000, 0.0000,  
0.0000

■ 214.1100, 6.6430,  
28.2990

■ 235.6290, 9.0750,

17.2590

252.6520, 1.1000,  
2.0920

59.9180, -1.5640,  
28.3560

59.9180, -1.5640,  
28.3560

51.9660, -1.5190,  
33.0490

68.1690, -1.0130,  
23.8750

43.7150, -2.0700,  
37.5300

76.1210, -1.0580,  
19.1820

35.7630, -2.0250,  
42.2230

84.3720, -0.5070,  
14.7010

28.9850, -2.5300,  
45.8700

92.3240, -0.5520,  
10.0080

100.2760, -0.5970,  
5.3150

■ 108.5270, -0.0460,  
0.8340

■ 116.4790, -0.0910,  
-3.8590

■ 124.7300, 0.4600,  
-8.3400

■ 132.6820, 0.4150,  
-13.0330

# Harmonies

## Analogous

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



48.4100, -56.3960, 8.8520



59.9180, -1.5640, 28.3560



53.8530, 32.5920, 37.1040

# Triad

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



59.9180, -1.5640, 28.3560



55.3740, 39.5690, -6.7590



51.0590, -43.1870, -15.7870

# Complementary

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



59.9180, -1.5640, 28.3560



92.0820, 1.5640, -28.3560

# 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.



46.3680, -31.3560, -26.4600



59.9180, -1.5640, 28.3560



54.0460, 19.5810, -18.9710

# Square

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



59.9180, -1.5640, 28.3560



52.5690, 52.8620, 11.1500



45.5860, -8.8430, -32.4830



54.7070, -53.4590, -5.8350



# Rectangle

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



59.9180, -1.5640, 28.3560



48.6390, 47.8140, 36.5660



45.5860, -8.8430, -32.4830



49.6910, -39.3350, -19.5190

# Sweetspot

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



59.9180, -1.5640, 28.3560



122.9650, -0.9190, 11.1530



69.7100, -31.1780, 3.3660



59.2160, -0.3680, 6.6720



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



59.9180, -1.5640, 28.3560



64.9310, -2.4380, 44.2020



70.0840, 18.7000, 35.5640



51.5810, -0.1380, 2.5020



31.6200, -2.7600, 50.0400



65.2340, -5.3830, 103.1050



# Inverse Universe

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



66.2080, 29.6140, 24.9900



74.7360, 46.1630, 38.9550



81.9160, -18.7000, -35.5640



52.1360, 2.6130, 2.2050



42.7200, 52.2600, 44.1000

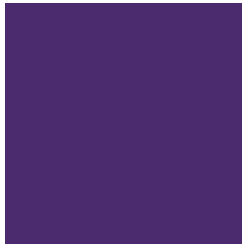


87.9890, 107.4080, 90.9280



# Previews

## White Background



This preview shows how the YIQ color 59.9180, -1.5640, 28.3560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

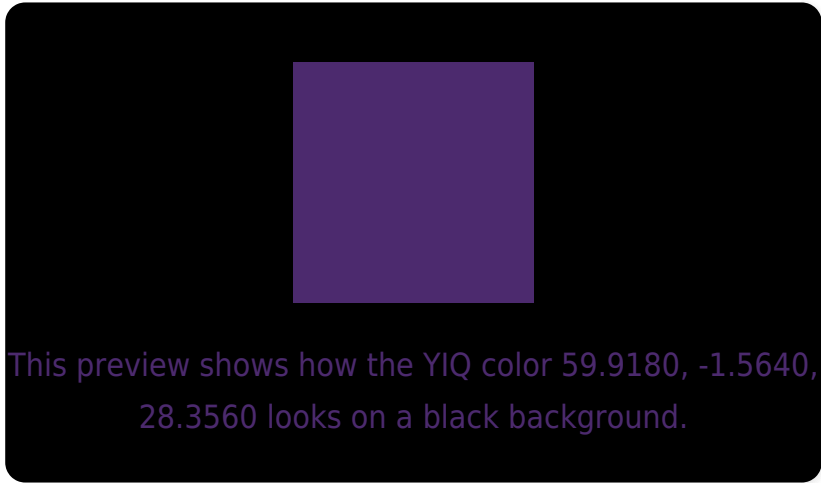
Any Text WCAG AA ✓ Pass

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

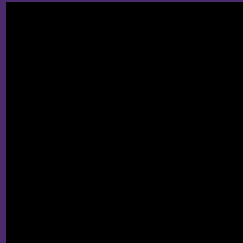
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 59.9180, -1.5640, 28.3560**

## **Background**



This preview shows how black text looks on a background with the YIQ color 59.9180, -1.5640, 28.3560.



This preview shows how white text looks on a background with the YIQ color 59.9180, -1.5640,



# 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

59.9180, -1.5640, 28.3560

### Protanopia

47.2530, -54.5160, 7.8200

### Deuteranopia

50.2940, -44.5660, 3.7060



## Tritanopia

59.8590, 4.9510, 3.8870

# Trichromacy



## Original Color

59.9180, -1.5640, 28.3560

## Protanomaly

52.2340, -35.1690, 15.1270

## Deuteranomaly

53.4750, -28.6580, 12.7660

## Tritanomaly

59.8730, 2.3360, 12.7360

# Monochromacy



## Original Color

59.9180, -1.5640, 28.3560

## Achromatopsia

60.0000, -0.0000, -0.0000

## Achromatomaly

59.7370, -0.2770, 10.5310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 59.9180, -1.5640, 28.3560 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(76, 42, 110)` looks like.

```
.text, #text, p{  
    color:rgb(76, 42, 110)  
}
```

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(76, 42, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 42, 110) }
```

## Border

The CSS property to change the border of an element to YIQ 59.9180, -1.5640, 28.3560 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(76, 42, 110) }
```



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

```
.border{ border-color:rgb(76, 42, 110) }
```

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

Here you see how a box with a 4 pixel rgb(76, 42, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 42, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 42, 110);  
box-shadow:4px 4px 4px 4px rgb(76, 42,  
110) }
```

# Background

The CSS property to change the background color of an element to YIQ 59.9180, -1.5640, 28.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 42, 110) }
```

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

```
.background{ background-color: rgb(76, 42,  
110) }
```

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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