

# Converting Colors

YIQ(58.4290, 58.3540, 65.8260)

Have a look what the booklet for  
YIQ(58.4290, 58.3540, 65.8260)  
contains.

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# Color

**YIQ(58.4290, 58.3540,  
65.8260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B006A
RGB	155, 0, 106
RGB Percent	61%, 0%, 42%
CMY	0.3917, 0.9999, 0.5842
CMYK	0.00, 1.00, 0.32, 0.39
HSL	319°, 100%, 30%
HSV	319°, 100%, 61%
XYZ	16.1424, 8.0209, 14.3435
YIQ	58.4290, 58.3540, 65.8260

# Conversions

## Conversions Part 2

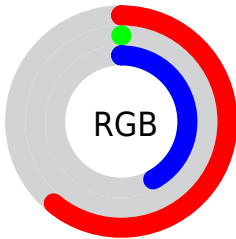
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 0, 106
Decimal	10158186
CIELab	34.03, 61.26, -15.51
CIELCh	34, 63.196, 345.791
Yxy	8.0209, 0.4192, 0.2083
Android (android.graphics.Color)	4288348266 (0xFF9B006A)
YUV	58.4290, 23.4525, 84.6928
Hunter-Lab	28.3213, 52.1780, -10.2029

# Details

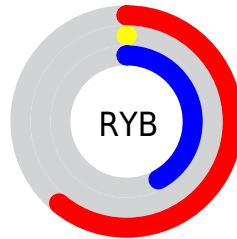
The YIQ color **58.4290, 58.3540, 65.8260** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **96.5710, -58.3540, -65.8260**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **127.0830, 55.9720, 53.9240**, and **36.0280, 39.4690, 39.1250** is the 20% darker color. If you saturate the color by 10%, you get **58.4290, 58.3540, 65.8260**, and if you desaturate by 10%, it is **68.3910, 52.3490, 59.0130**.

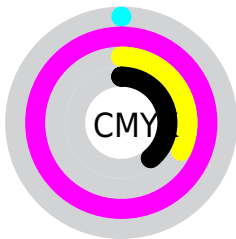
# Distribution



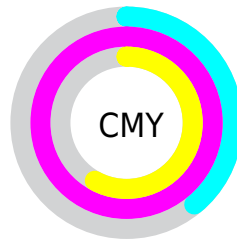
- Red (61%)
- Green (0%)
- Blue (42%)



- Red (61%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (39%)




- Cyan (39%)
- Magenta (100%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 58.4290, 58.3540, 65.8260 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 58.4290, 58.3540, 65.8260 by changing the saturation by 10% instead.





 58.4290, 58.3540,  
65.8260


 58.4290, 58.3540,  
65.8260


255.0000, -0.0000,  
-0.0000


 47.3210, 49.3700,  
52.4260


 127.0830, 55.9720,  
53.9240


 36.3270, 40.0650,  
39.3370

 155.5670, 57.4850,  
54.0370


 25.4470, 30.4390,  
26.5590

 179.0710, 47.0780,  
49.9100

 15.0510, 22.3260,  
13.8940

 198.6990, 30.3900,  
43.9740

 0.0000, 0.0000,  
0.0000

 217.4320, 17.6000,  
33.4720

 234.4550, 9.6250,

18.3050

251.4780, 1.6500,  
3.1380

58.4290, 58.3540,  
65.8260

68.3910, 52.3490,  
59.0130

77.7660, 46.6190,  
52.7230

87.7280, 40.6140,  
45.9100

97.1030, 34.8840,  
39.6200

107.0650, 28.8790,  
32.8070

■ 116.3260, 23.4700,  
26.2060

■ 126.2880, 17.4650,  
19.3930

■ 135.6630, 11.7350,  
13.1030

■ 145.6250, 5.7300,  
6.2900

# Harmonies

## Analogous

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



80.3510, 5.1270, 44.7670



58.4290, 58.3540, 65.8260



55.7190, 80.3640, 52.3960

# Triad

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



58.4290, 58.3540, 65.8260



72.6080, 20.4540, -29.2900



76.0280, -76.2920, -5.0280

# Complementary

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



58.4290, 58.3540, 65.8260



96.5710, -58.3540, -65.8260

# 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.



71.3710, -61.8010, -19.8570



58.4290, 58.3540, 65.8260



55.7650, -26.1250, -49.6850

# Square

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



58.4290, 58.3540, 65.8260



75.7850, 51.3530, -11.0710



64.1550, -44.2380, -35.2940



74.9970, -83.0340, 7.0300



# Rectangle

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



58.4290, 58.3540, 65.8260



65.5280, 78.4430, 26.6270



64.1550, -44.2380, -35.2940



74.4320, -71.7980, -9.3820

# Sweetspot

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



58.4290, 58.3540, 65.8260



163.6140, 22.5990, 25.4710



31.7230, -21.7430, 58.1690



78.9130, 14.0270, 15.6190



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



58.4290, 58.3540, 65.8260



75.8310, 75.4980, 85.5300



49.8790, 82.4290, 42.5010



71.9620, 3.1630, 3.2510



52.8040, 52.6240, 59.5360



4.9130, 4.8590, 5.5550



# Inverse Universe

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



58.4290, 58.3540, 65.8260



75.8310, 75.4980, 85.5300



105.1210, -82.4290, -42.5010



71.9620, 3.1630, 3.2510



52.8040, 52.6240, 59.5360



4.9130, 4.8590, 5.5550



# Previews

## White Background



This preview shows how the YIQ color 58.4290, 58.3540, 65.8260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

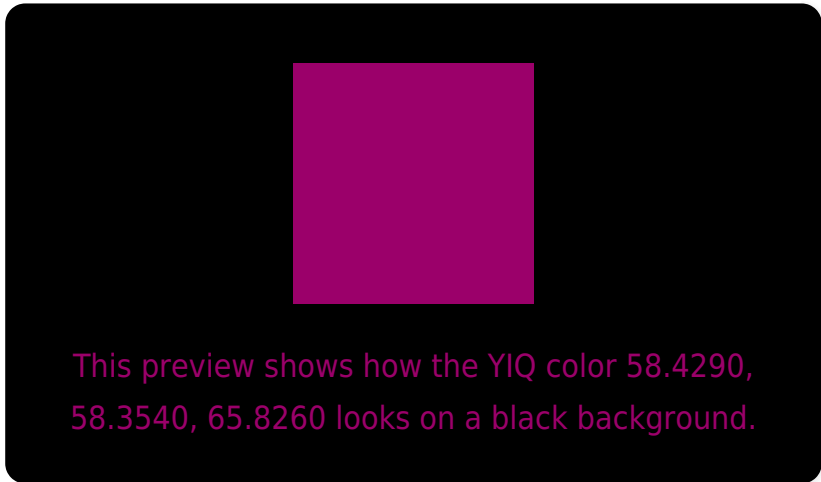
Any Text WCAG AA ✓ Pass

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

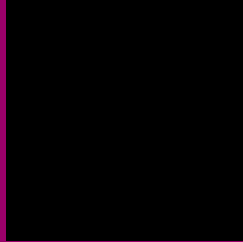
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 58.4290, 58.3540, 65.8260

## Background



This preview shows how black text looks on a background with the YIQ color 58.4290, 58.3540, 65.8260.



This preview shows how white text looks on a background with the YIQ color 58.4290, 58.3540,



# 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

58.4290, 58.3540, 65.8260

### Protanopia

79.1130, -42.1380, 14.7740

### Deuteranopia

83.6500, -4.5860, 6.0220



## Tritanopia

74.8190, 64.3220, 23.7300

# Trichromacy



## Original Color

58.4290, 58.3540, 65.8260

## Protanomaly

71.9270, -5.7830, 33.2330

## Deuteranomaly

74.7430, 17.9220, 27.6340

## Tritanomaly

68.9350, 61.6600, 38.9400

# Monochromacy



## Original Color

58.4290, 58.3540, 65.8260

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

58.0760, 21.1780, 23.6900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 58.4290, 58.3540, 65.8260 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(155, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(155, 0, 106)  
}
```

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(155, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 106) }
```

## Border

The CSS property to change the border of an element to YIQ 58.4290, 58.3540, 65.8260 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(155, 0, 106) }
```



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

```
.border{ border-color:rgb(155, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(155, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(155, 0,  
106) }
```

# Background

The CSS property to change the background color of an element to YIQ 58.4290, 58.3540, 65.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 106) }
```

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

```
.background{ background-color: rgb(155, 0,  
106) }
```

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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