

# Converting Colors

YIQ(56.6220, 20.1210, 37.3450)

Have a look what the booklet for  
YIQ(56.6220, 20.1210, 37.3450)  
contains.

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# Color

**YIQ(56.6220, 20.1210,  
37.3450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	631B62
RGB	99, 27, 98
RGB Percent	39%, 11%, 38%
CMY	0.6115, 0.8942, 0.6157
CMYK	0.00, 0.73, 0.01, 0.61
HSL	301°, 57%, 25%
HSV	301°, 73%, 39%
XYZ	7.7477, 4.3202, 11.9824
YIQ	56.6220, 20.1210, 37.3450

# Conversions

## Conversions Part 2

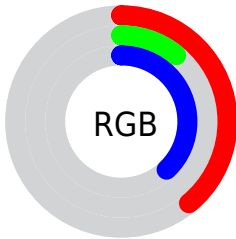
Format	Color
<b>RYB</b>	99, 27, 98
Decimal	6495074
CIELab	24.70, 41.35, -25.66
CIElCh	25, 48.668, 328.174
Yxy	4.3202, 0.3221, 0.1796
Android (android.graphics.Color)	4284685154 (0xFF631B62)
YUV	56.6220, 20.3994, 37.1655
Hunter-Lab	20.7851, 30.1629, -19.6305

# Details

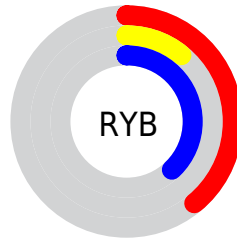
The YIQ color **56.6220, 20.1210, 37.3450** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **69.3780, -20.1210, -37.3450**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **108.2200, 21.3130, 37.7690**, and **20.4650, 12.8330, 26.2490** is the 20% darker color. If you saturate the color by 10%, you get **50.7520, 22.8710, 42.5750**, and if you desaturate by 10%, it is **62.4920, 17.3710, 32.1150**.

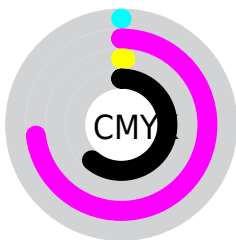
# Distribution



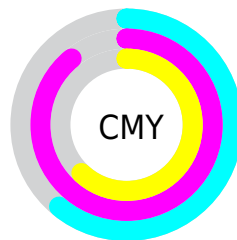
- Red (39%)
- Green (11%)
- Blue (38%)



- Red (39%)
- Yellow (11%)
- Blue (38%)



- Cyan (0%)
- Magenta (73%)
- Yellow (1%)
- Black (61%)



- Cyan (61%)
- Magenta (89%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 56.6220, 20.1210, 37.3450 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 56.6220, 20.1210, 37.3450 by changing the saturation by 10% instead.



■ 56.6220, 20.1210,  
37.3450

■ 56.6220, 20.1210,  
37.3450

■ 255.0000, -0.0000,  
-0.0000

■ 30.5620, 20.3500,  
38.7020

■ 108.2200, 21.3130,  
37.7690

■ 20.4650, 12.8330,  
26.2490

■ 134.9320, 22.1840,  
38.5040

■ 10.1830, 4.3990,  
13.8950

■ 161.6440, 23.0550,  
39.2390

■ 0.0000, 0.0000,  
0.0000

■ 189.4700, 23.6050,  
40.2850

■ 213.3230, 19.5250,  
37.1330

■ 229.7590, 11.8250,

22.4890

246.7820, 3.8500,  
7.3220

56.6220, 20.1210,  
37.3450

56.6220, 20.1210,  
37.3450

50.7520, 22.8710,  
42.5750

62.4920, 17.3710,  
32.1150

44.8820, 25.6210,  
47.8050

68.3620, 14.6210,  
26.8850

40.7730, 27.5460,  
51.4660

74.2320, 11.8710,  
21.6550

80.2160, 8.8000,  
16.7360

86.0860, 6.0500,  
11.5060

■ 91.3690, 3.5750,  
6.7990

■ 97.2390, 0.8250,  
1.5690

■ 103.1090, -1.9250,  
-3.6610

■ 108.9790, -4.6750,  
-8.8910

# Harmonies

## Analogous

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



57.5390, -25.5420, 22.3780



56.6220, 20.1210, 37.3450



43.3500, 50.4260, 44.2980

# Triad

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



56.6220, 20.1210, 37.3450



55.2970, 29.3000, -13.3880



54.0400, -50.2030, -9.7790

# Complementary

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



56.6220, 20.1210, 37.3450



69.3780, -20.1210, -37.3450

# 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.



49.7080, -38.0050, -21.5970



56.6220, 20.1210, 37.3450



50.7020, 5.6900, -26.0380

# Square

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



56.6220, 20.1210, 37.3450



53.9780, 49.7920, 0.7040



43.3870, -24.3400, -32.4680



56.0580, -58.6410, -0.0250



# Rectangle

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



56.6220, 20.1210, 37.3450



44.0330, 58.2680, 34.3320



43.3870, -24.3400, -32.4680



52.6720, -46.3510, -13.5110

# Sweetspot

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



56.6220, 20.1210, 37.3450



110.8630, 8.2960, 14.8560



35.2080, -23.1120, 22.3920



54.0210, 4.6750, 8.8910



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.



56.6220, 20.1210, 37.3450



62.6150, 31.1670, 57.4310



52.6320, 31.3560, 26.4600



45.6520, 1.1000, 2.0920



46.1420, 31.1210, 58.2650



98.6640, 67.2840, 124.2760



# Inverse Universe

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



56.6220, 20.1210, 37.3450



62.6150, 31.1670, 57.4310



73.3680, -31.3560, -26.4600



45.6520, 1.1000, 2.0920



46.1420, 31.1210, 58.2650

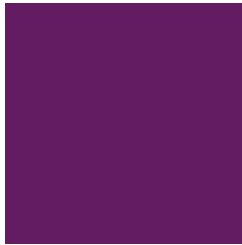


98.6640, 67.2840, 124.2760



# Previews

## White Background



This preview shows how the YIQ color 56.6220, 20.1210, 37.3450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

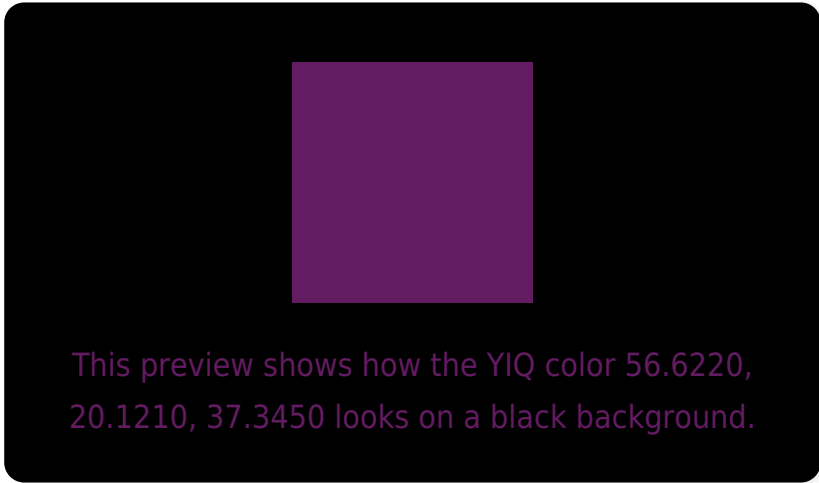
Any Text WCAG AA ✓ Pass

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

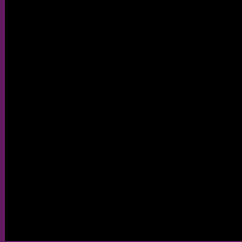
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 56.6220, 20.1210, 37.3450

## Background



This preview shows how black text looks on a background with the YIQ color 56.6220, 20.1210, 37.3450.



This preview shows how white text looks on a background with the YIQ color 56.6220, 20.1210,



# 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

56.6220, 20.1210, 37.3450

### Deuteranopia

58.6790, -20.7250, 6.6590

### Tritanopia

59.6940, 27.6450, 11.1090

# Trichromacy



**Original Color**

56.6220, 20.1210, 37.3450

**Deuteranomaly**

57.8430, -6.1470, 17.7970

**Tritanomaly**

58.2350, 24.9840, 20.7920

# Monochromacy



**Original Color**

56.6220, 20.1210, 37.3450

**Achromatopsia**

57.0000, 0.0000, 0.0000

**Achromatomaly**

56.7380, 7.1500, 13.5980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 56.6220, 20.1210, 37.3450 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(99, 27, 98)` looks like.

```
.text, #text, p{  
    color:rgb(99, 27, 98)  
}
```

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(99, 27, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 27, 98) }
```

## Border

The CSS property to change the border of an element to YIQ 56.6220, 20.1210, 37.3450 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(99, 27, 98) }
```

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

```
.border{ border-color:rgb(99, 27, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 27, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 27, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 27, 98);  
box-shadow:4px 4px 4px 4px rgb(99, 27, 98)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 56.6220, 20.1210, 37.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 27, 98) }
```

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

```
.background{ background-color: rgb(99, 27,  
98) }
```

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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