

# Converting Colors

YIQ(72.2380, 11.7340, 18.6300)

Have a look what the booklet for  
YIQ(72.2380, 11.7340, 18.6300)  
contains.

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# Color

**YIQ(72.2380, 11.7340,  
18.6300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5F395B
RGB	95, 57, 91
RGB Percent	37%, 22%, 36%
CMY	0.6273, 0.7765, 0.6431
CMYK	0.00, 0.40, 0.04, 0.63
HSL	306°, 25%, 30%
HSV	306°, 40%, 37%
XYZ	8.0732, 6.1145, 10.6534
YIQ	72.2380, 11.7340, 18.6300

# Conversions

## Conversions Part 2

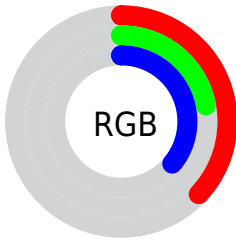
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 57, 91
Decimal	6240603
CIELab	29.70, 22.81, -13.37
CIELCh	30, 26.436, 329.626
Yxy	6.1145, 0.3250, 0.2461
Android (android.graphics.Color)	4284430683 (0xFF5F395B)
YUV	72.2380, 9.2497, 19.9623
Hunter-Lab	24.7276, 15.0042, -8.2347

# Details

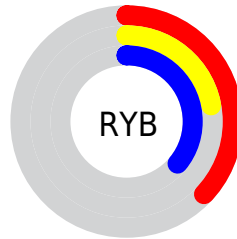
The YIQ color **72.2380, 11.7340, 18.6300** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **79.7620, -11.7340, -18.6300**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.3630, 12.8800, 19.8880**, and **26.8140, 9.9920, 17.1600** is the 20% darker color. If you saturate the color by 10%, you get **66.2540, 14.8050, 23.5490**, and if you desaturate by 10%, it is **77.6350, 8.9380, 14.2340**.

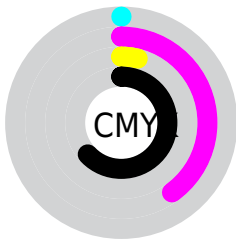
# Distribution



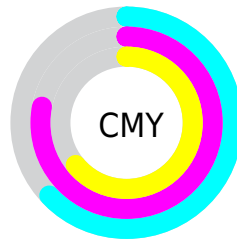
- Red (37%)
- Green (22%)
- Blue (36%)



- Red (37%)
- Yellow (22%)
- Blue (36%)



- Cyan (0%)
- Magenta (40%)
- Yellow (4%)
- Black (63%)



- Cyan (63%)
- Magenta (78%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.2380, 11.7340, 18.6300 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 72.2380, 11.7340, 18.6300 by changing the saturation by 10% instead.



■ 72.2380, 11.7340,  
18.6300

■ 72.2380, 11.7340,  
18.6300

■ 255.0000, -0.0000,  
-0.0000

■ 49.4120, 11.1840,  
17.5840

■ 121.3630, 12.8800,  
19.8880

■ 27.1130, 10.5880,  
17.3720

■ 147.1890, 13.4300,  
20.9340

■ 11.5210, 9.2590,  
13.9230

■ 174.4880, 14.0260,  
21.1460

■ 0.0000, 0.0000,  
0.0000

■ 201.9010, 14.3010,  
21.6690

■ 228.7160, 13.3840,  
21.7680

■ 246.1950, 4.1250,

7.8450

■ 72.2380, 11.7340,  
18.6300

■ 72.2380, 11.7340,  
18.6300

■ 66.2540, 14.8050,  
23.5490

■ 77.6350, 8.9380,  
14.2340

■ 60.8570, 17.6010,  
27.9450

■ 83.6190, 5.8670,  
9.3150

■ 54.8730, 20.6720,  
32.8640

■ 89.0160, 3.0710,  
4.9190

■ 49.4760, 23.4680,  
37.2600

■ 95.0000, -0.0000,  
-0.0000

■ 43.4920, 26.5390,  
42.1790

■ 100.9840, -3.0710,  
-4.9190

■ 38.0950, 29.3350,  
46.5750

■ 106.3810, -5.8670,  
-9.3150

■ 112.3650, -8.9380,  
-14.2340

■ 117.7620,  
-11.7340, -18.6300

■ 123.7460,  
-14.8050, -23.5490

# Harmonies

## Analogous

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



71.4680, -9.5850, 14.0230



72.2380, 11.7340, 18.6300



71.1980, 26.4060, 17.0460

# Triad

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



72.2380, 11.7340, 18.6300



68.2130, 20.9090, -9.9950



57.2200, -50.8900, -13.8500

# Complementary

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



72.2380, 11.7340, 18.6300



79.7620, -11.7340, -18.6300

# 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.



54.8260, -44.1490, -20.3810



72.2380, 11.7340, 18.6300



66.3250, 5.7340, -15.8180

# Square

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



72.2380, 11.7340, 18.6300



69.0990, 30.3980, -0.2420



62.3100, -16.2730, -18.9690



57.1690, -54.8800, -7.6160



# Rectangle

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



72.2380, 11.7340, 18.6300



70.2000, 32.0920, 13.1160



62.3100, -16.2730, -18.9690



56.4220, -48.6430, -16.0270

# Sweetspot

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



72.2380, 11.7340, 18.6300



113.6680, 4.1710, 7.0110



62.5280, -9.8140, 12.6660



56.1900, 2.5210, 3.8730



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



72.2380, 11.7340, 18.6300



87.2700, 17.8760, 28.4680



70.0720, 17.8330, 12.7210



45.6520, 1.1000, 2.0920



44.8880, 34.6520, 54.8440



96.1560, 74.3460, 117.4340



# Inverse Universe

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



72.2380, 11.7340, 18.6300



87.2700, 17.8760, 28.4680



81.9280, -17.8330, -12.7210



45.6520, 1.1000, 2.0920



44.8880, 34.6520, 54.8440



96.1560, 74.3460, 117.4340



# Previews

## White Background



This preview shows how the YIQ color 72.2380, 11.7340, 18.6300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

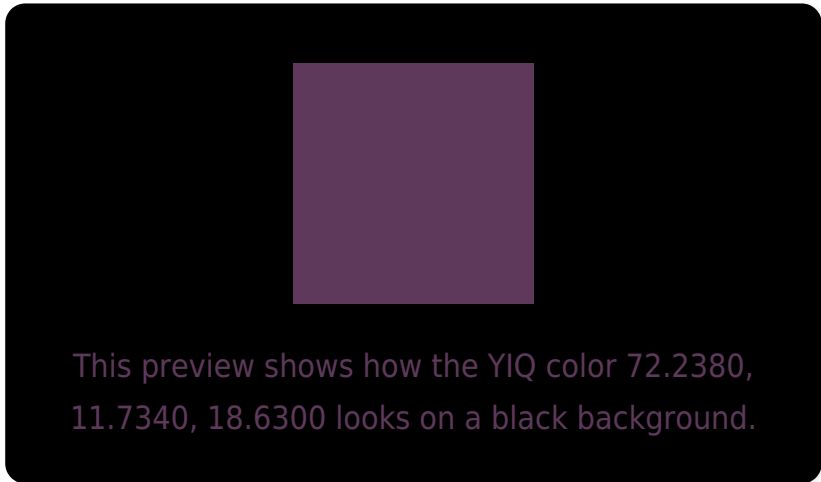
Any Text WCAG AA ✓ Pass

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

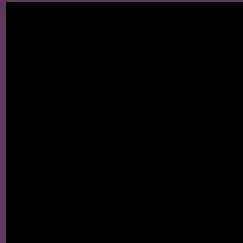
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 72.2380, 11.7340, 18.6300**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.2380, 11.7340, 18.6300.



This preview shows how white text looks on a background with the YIQ color 72.2380, 11.7340,



# 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

72.2380, 11.7340, 18.6300

### Protanopia

70.1420, -14.7190, 7.9450

### Deuteranopia

70.9810, -7.0160, 6.0080



## Tritanopia

71.5400, 16.2750, 7.9150

# Trichromacy



## Original Color

72.2380, 11.7340, 18.6300

## Protanomaly

71.0400, -5.5040, 11.6480

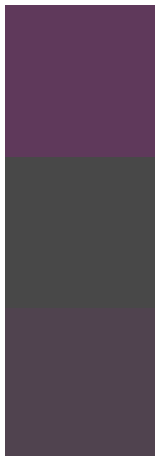
## Deuteranomaly

71.7370, -0.2770, 10.5310

## Tritanomaly

71.6910, 14.5320, 11.9720

# Monochromacy



## Original Color

72.2380, 11.7340, 18.6300

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

72.2550, 3.8960, 6.4880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.2380, 11.7340, 18.6300 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(95, 57, 91)` looks like.

```
.text, #text, p{  
    color:rgb(95, 57, 91)  
}
```

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(95, 57, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 57, 91) }
```

## Border

The CSS property to change the border of an element to YIQ 72.2380, 11.7340, 18.6300 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(95, 57, 91) }
```



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

```
.border{ border-color:rgb(95, 57, 91) }
```

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

Here you see how a box with a 4 pixel rgb(95, 57, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 57, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 57, 91);  
box-shadow:4px 4px 4px 4px rgb(95, 57, 91)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 72.2380, 11.7340, 18.6300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 57, 91) }
```

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

```
.background{ background-color: rgb(95, 57,  
91) }
```

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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