

# Converting Colors

YIQ(72.2810, 2.1480, 38.1800)

Have a look what the booklet for  
YIQ(72.2810, 2.1480, 38.1800)  
contains.

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# Color

**YIQ(72.2810, 2.1480,  
38.1800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	622F87
RGB	98, 47, 135
RGB Percent	38%, 18%, 53%
CMY	0.6155, 0.8158, 0.4706
CMYK	0.27, 0.65, 0.00, 0.47
HSL	275°, 48%, 36%
HSV	275°, 65%, 53%
XYZ	10.4296, 6.3793, 23.5977
YIQ	72.2810, 2.1480, 38.1800

# Conversions

## Conversions Part 2

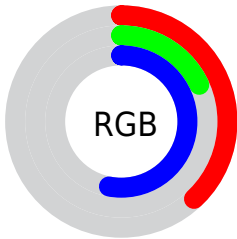
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 47, 135
Decimal	6434695
CIE <sub>Lab</sub>	30.35, 39.59, -40.22
CIE <sub>LCh</sub>	30, 56.437, 314.548
Yxy	6.3793, 0.2581, 0.1579
Android (android.graphics.Color)	4284624775 (0xFF622F87)
YUV	72.2810, 30.9205, 22.5556
Hunter-Lab	25.2574, 29.5083, -37.7139

# Details

The YIQ color **72.2810, 2.1480, 38.1800** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **109.7190, -2.1480, -38.1800**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **123.0470, 2.9270, 40.5830**, and **23.3300, 0.4520, 35.8760** is the 20% darker color. If you saturate the color by 10%, you get **62.2690, 2.4220, 44.2300**, and if you desaturate by 10%, it is **81.7060, 2.1490, 32.6530**.

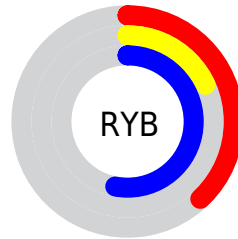
# Distribution



Red (38%)

Green (18%)

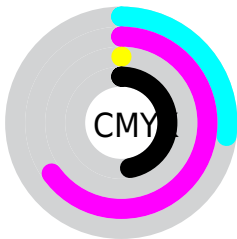
Blue (53%)



Red (38%)

Yellow (18%)

Blue (53%)

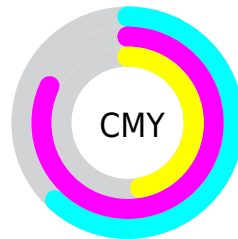


Cyan (27%)

Magenta (65%)

Yellow (0%)

Black (47%)



Cyan (62%)

Magenta (82%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.2810, 2.1480, 38.1800 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 72.2810, 2.1480, 38.1800 by changing the saturation by 10% instead.



72.2810, 2.1480,  
38.1800

72.2810, 2.1480,  
38.1800

255.0000, -0.0000,  
-0.0000

46.8680, 1.8730,  
37.6570

123.3460, 3.5230,  
40.7950

23.6290, 1.0480,  
36.0880

149.8730, 3.4770,  
41.6290

14.7280, -4.0850,  
24.4830

177.1120, 4.3020,  
43.1980

5.5060, -12.7480,  
10.7720

202.3590, 10.6760,  
37.8120

2.2970, -5.0900,  
4.1420

224.4760, 14.3000,  
27.1960

0.0000, 0.0000,  
0.0000

241.4990, 6.3250,

12.0290

■ 72.2810, 2.1480,  
38.1800

■ 72.2810, 2.1480,  
38.1800

■ 62.2690, 2.4220,  
44.2300

■ 81.7060, 2.1490,  
32.6530

■ 53.1430, 3.0170,  
49.9690

■ 91.4190, 1.2790,  
26.3910

■ 43.1310, 3.2910,  
56.0190

■ 100.8440, 1.2800,  
20.8640

■ 38.7120, 3.1530,  
58.5210

■ 110.8560, 1.0060,  
14.8140

■ 119.9820, 0.4110,  
9.0750

■ 129.9940, 0.1370,  
3.0250

■ 139.4190, 0.1380,  
-2.5020

■ 149.1320, -0.7320,  
-8.7640

■ 158.5570, -0.7310,  
-14.2910

# Harmonies

## Analogous

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



59.1020, -69.9680, 12.5280



72.2810, 2.1480, 38.1800



58.9510, 47.5360, 52.6240

# Triad

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



72.2810, 2.1480, 38.1800



67.8000, 46.9970, -9.2190



63.3180, -54.2820, -18.4580

# Complementary

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



72.2810, 2.1480, 38.1800



109.7190, -2.1480, -38.1800

# 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.



56.9000, -38.9660, -31.7180



72.2810, 2.1480, 38.1800



65.2430, 20.2240, -25.1200

# Square

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



72.2810, 2.1480, 38.1800



62.5830, 67.4420, 11.2340



49.3080, -23.1000, -43.9320



67.4050, -67.1680, -5.1840



# Rectangle

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



72.2810, 2.1480, 38.1800



51.2920, 65.5090, 51.7890



49.3080, -23.1000, -43.9320



61.6080, -49.4670, -23.1230

# Sweetspot

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



72.2810, 2.1480, 38.1800



150.9700, 0.6850, 15.1250



79.3380, -38.6980, 7.4940



73.9820, 0.4110, 9.0750



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



72.2810, 2.1480, 38.1800



78.2390, 3.1070, 59.3550



82.6600, 26.1260, 44.1580



61.8800, 0.4580, 2.7140



37.2450, 2.9700, 56.3300



0.6410, -0.3670, 1.1450



# Inverse Universe

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



77.5300, 40.5710, 30.1630



86.4610, 63.3550, 46.7710



99.3400, -26.1260, -44.1580



62.0220, 2.9340, 1.8940



45.1400, 59.8250, 44.6650



1.0110, 1.4670, 0.9470



# Previews

## White Background



This preview shows how the YIQ color 72.2810, 2.1480, 38.1800 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



This preview shows how the YIQ color 72.2810, 2.1480, 38.1800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

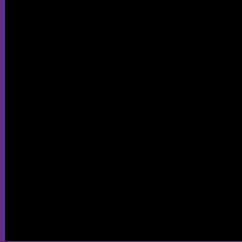
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 72.2810, 2.1480, 38.1800**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.2810, 2.1480, 38.1800.



This preview shows how white text looks on a background with the YIQ color 72.2810, 2.1480,



# 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

72.2810, 2.1480, 38.1800

### Protanopia

57.2610, -66.1620, 9.6300

### Deuteranopia

60.3620, -56.4410, 4.1590



## Tritanopia

72.9630, 10.5900, 6.3180

# Trichromacy



## Original Color

72.2810, 2.1480, 38.1800

## Protanomaly

62.8730, -41.2220, 20.2020

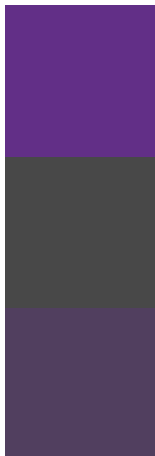
## Deuteranomaly

64.8750, -35.5360, 16.2720

## Tritanomaly

72.6720, 7.5160, 17.9800

# Monochromacy



## Original Color

72.2810, 2.1480, 38.1800

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

72.0300, 0.4560, 13.7680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.2810, 2.1480, 38.1800 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(98, 47, 135)` looks like.

```
.text, #text, p{  
    color:rgb(98, 47, 135)  
}
```

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(98, 47, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 47, 135) }
```

## Border

The CSS property to change the border of an element to YIQ 72.2810, 2.1480, 38.1800 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(98, 47, 135) }
```



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

```
.border{ border-color:rgb(98, 47, 135) }
```

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

Here you see how a box with a 4 pixel rgb(98, 47, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 47, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 47, 135);  
box-shadow:4px 4px 4px 4px rgb(98, 47,  
135) }
```

# Background

The CSS property to change the background color of an element to YIQ 72.2810, 2.1480, 38.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 47, 135) }
```

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

```
.background{ background-color: rgb(98, 47,  
135) }
```

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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