

# Converting Colors

YIQ(38.1580, -35.7290, 69.3510)

Have a look what the booklet for  
YIQ(38.1580, -35.7290, 69.3510)  
contains.

<b>YIQ(38.1580, -35.7290, 69.3510)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(38.1580, -35.7290,  
69.3510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F03C4
RGB	47, 3, 196
RGB Percent	18%, 1%, 77%
CMY	0.8154, 0.9884, 0.2317
CMYK	0.76, 0.98, 0.00, 0.23
HSL	254°, 97%, 39%
HSV	254°, 98%, 77%
XYZ	11.1627, 4.6526, 52.4899
YIQ	38.1580, -35.7290, 69.3510

# Conversions

## Conversions Part 2

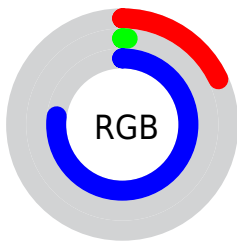
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 3, 196
Decimal	3081156
CIE <sub>Lab</sub>	25.72, 65.02, -84.89
CIE <sub>LCh</sub>	26, 106.930, 307.453
Yxy	4.6526, 0.1634, 0.0681
Android (android.graphics.Color)	4281271236 (0xFF2F03C4)
YUV	38.1580, 77.8161, 7.7544
Hunter-Lab	21.5698, 54.6287, -129.1826

# Details

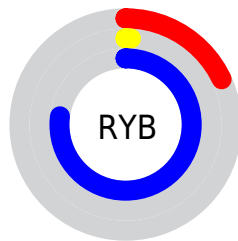
The YIQ color **38.1580, -35.7290, 69.3510** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **160.8420, 35.7290, -69.3510**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **103.5780, -28.1640, 69.9160**, and **15.9600, -44.9400, 43.5400** is the 20% darker color. If you saturate the color by 10%, you get **35.7990, -36.0960, 70.4960**, and if you desaturate by 10%, it is **54.3830, -32.2890, 62.0710**.

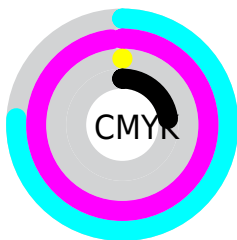
# Distribution



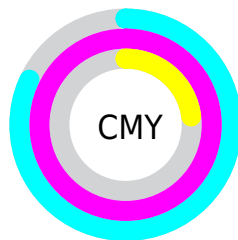
- Red (18%)
- Green (1%)
- Blue (77%)



- Red (18%)
- Yellow (1%)
- Blue (77%)



- Cyan (76%)
- Magenta (98%)
- Yellow (0%)
- Black (23%)



- Cyan (82%)
- Magenta (99%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.1580, -35.7290, 69.3510 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 38.1580, -35.7290, 69.3510 by changing the saturation by 10% instead.



■ 38.1580, -35.7290,  
69.3510

■ 38.1580, -35.7290,  
69.3510

■ 255.0000, -0.0000,  
-0.0000

■ 19.1520, -53.9280,  
52.2480

■ 103.5780,  
-28.1640, 69.9160

■ 15.9600, -44.9400,  
43.5400

■ 129.1090,  
-16.8380, 62.8900

■ 12.9960, -36.5940,  
35.4540

■ 153.6400, -5.5120,  
55.8640

■ 15.9020, -30.9980,  
22.1380

■ 178.7580, 5.5390,  
48.3150

■ 11.4050, -22.4690,  
16.2430

■ 204.4630, 16.3150,  
40.2430


■ 6.4350, -13.9860,  
11.1820

■ 223.8890, 14.5750,


■ 2.7530, -6.3740,


27.7190


5.3860


 240.9120, 6.6000,  
12.5520


 0.0000, 0.0000,  
0.0000


 38.1580, -35.7290,  
69.3510


 38.1580, -35.7290,  
69.3510


 35.7990, -36.0960,  
70.4960

 54.3830, -32.2890,  
62.0710

 70.0210, -28.5740,  
55.3140

 86.2460, -25.1340,  
48.0340

 102.1830,  
-20.8230, 41.4890

 118.4080,  
-17.3830, 34.2090

■ 134.6330,  
-13.9430, 26.9290

■ 150.2710,  
-10.2280, 20.1720

■ 166.4960, -6.7880,  
12.8920

■ 182.1340, -3.0730,  
6.1350

# Harmonies

## Analogous

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



68.7120, -94.2720, 34.4960



38.1580, -35.7290, 69.3510



62.8020, 56.1060, 73.5300

# Triad

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



38.1580, -35.7290, 69.3510



49.3920, 66.6620, 14.3580



58.5420, -49.1010, -18.7410

# Complementary

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



38.1580, -35.7290, 69.3510



160.8420, 35.7290, -69.3510

# 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.



48.1340, -22.5500, -42.8860



38.1580, -35.7290, 69.3510



55.1980, 16.0970, -21.9110

# Square

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



38.1580, -35.7290, 69.3510



49.9330, 99.5320, 35.4040



45.7860, -21.4500, -40.7940



69.5370, -75.9270, 4.8810



# Rectangle

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



38.1580, -35.7290, 69.3510



63.2240, 86.5520, 61.4000



45.7860, -21.4500, -40.7940



55.2360, -39.7920, -27.7600

# Sweetspot

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



38.1580, -35.7290, 69.3510



192.7470, -14.2640, 27.2400



113.6390, -103.4780, -18.9500



90.2340, -8.8060, 16.4260



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



38.1580, -35.7290, 69.3510



46.4120, -47.2870, 91.6010



66.2640, 20.2950, 89.2790



88.7380, -2.0180, 3.5340



29.4170, -29.6290, 57.9150



6.1540, -5.8250, 11.9590



# Inverse Universe

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



77.6930, 67.1990, 87.2550



98.7030, 88.7430, 115.3270



132.7360, -20.2950, -89.2790



90.9020, 3.3920, 4.6080



62.2750, 56.1520, 72.6960

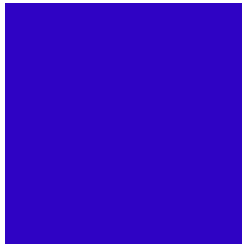


12.8310, 11.3220, 15.0820



# Previews

## White Background



This preview shows how the YIQ color 38.1580, -35.7290, 69.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

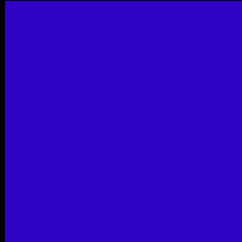
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 38.1580, -35.7290, 69.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

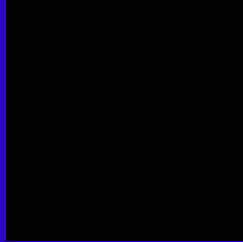
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 38.1580, -35.7290, 69.3510

## Background



This preview shows how black text looks on a background with the YIQ color 38.1580, -35.7290, 69.3510.



This preview shows how white text looks on a background with the YIQ color 38.1580, -35.7290,



# 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

38.1580, -35.7290, 69.3510

### Protanopia

50.2850, -57.5420, 7.5940

### Deuteranopia

50.4670, -52.5430, -0.4070



## Tritanopia

49.4120, -42.6830, -13.9070

# Trichromacy



## Original Color

38.1580, -35.7290, 69.3510

## Protanomaly

45.8910, -49.6600, 29.9560

## Deuteranomaly

45.6970, -46.3580, 25.1780

## Tritanomaly

45.5370, -40.3960, 16.2440

# Monochromacy



## Original Color

38.1580, -35.7290, 69.3510

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

37.7640, -12.9340, 25.1620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.1580, -35.7290, 69.3510 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(47, 3, 196)` looks like.

```
.text, #text, p{  
    color:rgb(47, 3, 196)  
}
```

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(47, 3, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 3, 196) }
```

## Border

The CSS property to change the border of an element to YIQ 38.1580, -35.7290, 69.3510 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(47, 3, 196) }
```



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

```
.border{ border-color:rgb(47, 3, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 3, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 3, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 3, 196);  
box-shadow:4px 4px 4px 4px rgb(47, 3, 196)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 38.1580, -35.7290, 69.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 3, 196) }
```

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

```
.background{ background-color: rgb(47, 3,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor