

# Converting Colors

YIQ(70.3080, -98.7660, 38.8500)

Have a look what the booklet for  
YIQ(70.3080, -98.7660, 38.8500)  
contains.

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# Color

**YIQ(70.3080, -98.7660,  
38.8500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0048F6
RGB	0, 72, 246
RGB Percent	0%, 28%, 96%
CMY	0.9997, 0.7175, 0.0358
CMYK	1.00, 0.71, 0.00, 0.04
HSL	222°, 100%, 48%
HSV	222°, 100%, 96%
XYZ	18.9333, 11.2843, 88.2609
YIQ	70.3080, -98.7660, 38.8500

# Conversions

## Conversions Part 2

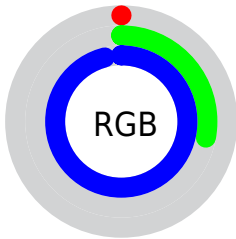
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 56, 246
Decimal	18678
CIE Lab	40.06, 50.39, -89.83
CIE LCh	40, 103.003, 299.291
Yxy	11.2843, 0.1598, 0.0952
Android (android.graphics.Color)	4278208758 (0xFF0048F6)
YUV	70.3080, 86.6162, -61.6601
Hunter-Lab	33.5921, 41.8207, -132.2660

# Details

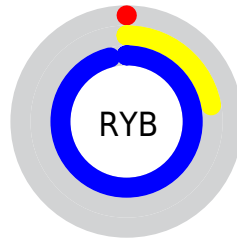
The YIQ color **70.3080, -98.7660, 38.8500** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **175.6920, 98.7660, -38.8500**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.1830, -47.1860, 40.1900**, and **37.8680, -68.0480, 43.8240** is the 20% darker color. If you saturate the color by 10%, you get **70.3080, -98.7660, 38.8500**, and if you desaturate by 10%, it is **87.7620, -88.5410, 35.2590**.

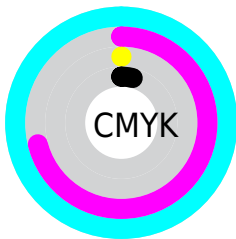
# Distribution



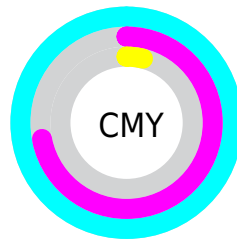
- Red (0%)
- Green (28%)
- Blue (96%)



- Red (0%)
- Yellow (22%)
- Blue (96%)



- Cyan (100%)
- Magenta (71%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (72%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.3080, -98.7660, 38.8500 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 70.3080, -98.7660, 38.8500 by changing the saturation by 10% instead.



■ 70.3080, -98.7660,  
38.8500

■ 70.3080, -98.7660,  
38.8500

■ 255.0000, -0.0000,  
-0.0000

■ 53.5010, -83.1320,  
41.8600

■ 134.1830,  
-47.1860, 40.1900

■ 37.8680, -68.0480,  
43.8240

■ 159.6110,  
-34.0720, 33.8000

■ 24.6970, -54.3850,  
44.0070

■ 185.3270,  
-21.8290, 26.6750

■ 15.1620, -42.6930,  
41.3630

■ 211.0430, -9.5860,  
19.5500

■ 19.7150, -37.6010,  
26.1670

■ 237.0470, 1.7860,  
11.6900

■ 15.6910, -29.0260,  
19.4380

■ 9.4330, -19.6720,

15.1120

■ 5.1640, -11.7850,  
9.8390

■ 1.0260, -2.8890,  
2.7990

■ 70.3080, -98.7660,  
38.8500

■ 87.7620, -88.5410,  
35.2590

■ 105.5040,  
-79.1870, 30.9330

■ 122.9580,  
-68.9620, 27.3420

■ 140.7000,  
-59.6080, 23.0160

■ 158.1540,  
-49.3830, 19.4250

■ 175.6080,  
-39.1580, 15.8340

■ 193.3500,  
-29.8040, 11.5080

■ 210.8040,  
-19.5790, 7.9170

■ 228.5460,  
-10.2250, 3.5910

# Harmonies

## Analogous

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



93.0530, -111.8300, 22.2980



70.3080, -98.7660, 38.8500



76.0630, 51.8380, 95.8220

# Triad

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



70.3080, -98.7660, 38.8500



79.0610, 95.4550, 15.6710



82.4610, -62.7150, -36.3390

# Complementary

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



70.3080, -98.7660, 38.8500



175.6920, 98.7660, -38.8500

# 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.



69.8530, -32.7250, -62.2370



70.3080, -98.7660, 38.8500



89.2860, 45.0280, -23.1000

# Square

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



70.3080, -98.7660, 38.8500



67.9460, 125.0210, 52.5490



65.1570, -30.5250, -58.0530



93.4390, -90.8710, -10.6390



# Rectangle

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



70.3080, -98.7660, 38.8500



80.3720, 90.0320, 86.4480



65.1570, -30.5250, -58.0530



78.4540, -52.8100, -45.1460

# Sweetspot

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



70.3080, -98.7660, 38.8500



200.5780, -30.4460, 12.1300



164.0100, -122.8620, -75.1660



94.8750, -18.3410, 7.5070



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.



70.3080, -98.7660, 38.8500



73.0950, -102.4800, 40.0800



42.6950, -49.7620, 86.8940



113.7160, -4.9520, 1.6400



52.9020, -74.5560, 29.6040



16.7050, -23.6140, 9.4580



# Inverse Universe

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



81.7620, 123.5040, 74.5440



84.7950, 127.9050, 77.3850



203.3050, 49.7620, -86.8940



114.0440, 5.8680, 3.7880



61.7700, 93.5220, 56.2260



19.5790, 29.7070, 17.7950



# Previews

## White Background



This preview shows how the YIQ color 70.3080, -98.7660, 38.8500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

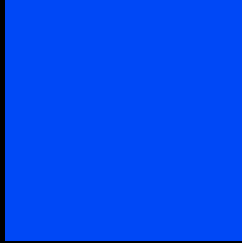
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 70.3080, -98.7660, 38.8500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 70.3080, -98.7660, 38.8500

## Background



This preview shows how black text looks on a background with the YIQ color 70.3080, -98.7660, 38.8500.



This preview shows how white text looks on a background with the YIQ color 70.3080, -98.7660,



# 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

70.3080, -98.7660, 38.8500

### Protanopia

74.4900, -85.7400, 12.0200

### Deuteranopia

74.8200, -78.4020, 0.1740



## Tritanopia

73.5880, -63.9100, -20.1820

# Trichromacy



## Original Color

70.3080, -98.7660, 38.8500

## Protanomaly

72.6610, -90.2350, 21.9010

## Deuteranomaly

72.9570, -85.5570, 14.2110

## Tritanomaly

72.1300, -76.3390, 1.3330

# Monochromacy



## Original Color

70.3080, -98.7660, 38.8500

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.4080, -35.7190, 14.0810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.3080, -98.7660, 38.8500 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(0, 72, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 72, 246)  
}
```

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(0, 72, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 72, 246) }
```

## Border

The CSS property to change the border of an element to YIQ 70.3080, -98.7660, 38.8500 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(0, 72, 246) }
```



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

```
.border{ border-color:rgb(0, 72, 246) }
```

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

Here you see how a box with a 4 pixel rgb(0, 72, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 72, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 72, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 72, 246)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 70.3080, -98.7660, 38.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 72, 246) }
```

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

```
.background{ background-color: rgb(0, 72,  
246) }
```

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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