

# Converting Colors

YIQ(73.7680, 86.6950, 31.2630)

Have a look what the booklet for  
YIQ(73.7680, 86.6950, 31.2630)  
contains.

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# Color

**YIQ(73.7680, 86.6950,  
31.2630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B01E1F
RGB	176, 30, 31
RGB Percent	69%, 12%, 12%
CMY	0.3095, 0.8825, 0.8781
CMYK	0.00, 0.83, 0.82, 0.31
HSL	360°, 71%, 40%
HSV	360°, 83%, 69%
XYZ	18.6358, 10.2653, 2.3016
YIQ	73.7680, 86.6950, 31.2630

# Conversions

## Conversions Part 2

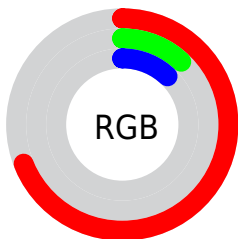
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 30, 31
Decimal	11542047
CIE Lab	38.31, 56.36, 38.35
CIE LCh	38, 68.168, 34.231
Yxy	10.2653, 0.5973, 0.3290
Android (android.graphics.Color)	4289732127 (0xFFB01E1F)
YUV	73.7680, -21.0846, 89.6575
Hunter-Lab	32.0395, 47.7554, 18.1685

# Details

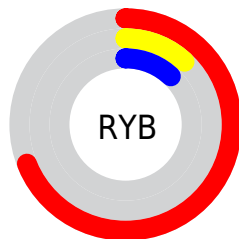
The YIQ color **73.7680, 86.6950, 31.2630** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **132.2320, -86.6950, -31.2630**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.5420, 93.0230, 26.7110**, and **34.3850, 68.5400, 24.3800** is the 20% darker color. If you saturate the color by 10%, you get **61.2640, 97.1020, 35.3900**, and if you desaturate by 10%, it is **86.3860, 75.9670, 27.4470**.

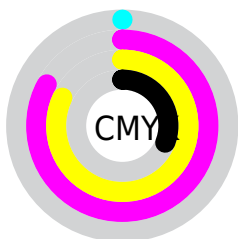
# Distribution



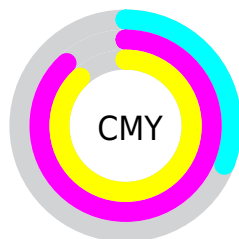
- Red (69%)
- Green (12%)
- Blue (12%)



- Red (69%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (83%)
- Yellow (82%)
- Black (31%)



- Cyan (31%)
- Magenta (88%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 73.7680, 86.6950, 31.2630 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 73.7680, 86.6950, 31.2630 by changing the saturation by 10% instead.



■ 73.7680, 86.6950,  
31.2630

■ 73.7680, 86.6950,  
31.2630

255.0000, -0.0000,  
-0.0000

■ 44.3810, 83.5310,  
33.5390

■ 133.5420, 93.0230,  
26.7110

■ 34.3850, 68.5400,  
24.3800

■ 157.0250, 87.1090,  
23.7570

■ 25.1160, 50.0640,  
17.8080

■ 176.3110, 71.3840,  
16.8880

■ 17.2710, 33.3300,  
12.7060

■ 195.7110, 55.3380,  
10.3300

■ 4.4850, 8.9400,  
3.1800

■ 215.8120, 38.6960,  
3.5600

■ 0.0000, 0.0000,  
0.0000

■ 236.0270, 21.7330,

-2.8990

■ 252.7200, 6.4200,  
-6.2200

■ 73.7680, 86.6950,  
31.2630

■ 73.7680, 86.6950,  
31.2630

■ 61.2640, 97.1020,  
35.3900

■ 86.3860, 75.9670,  
27.4470

■ 52.7380, 104.5750,  
37.6230

■ 98.3030, 65.8350,  
23.8430

■ 110.9210, 55.1070,  
20.0270

■ 122.8380, 44.9750,  
16.4230

■ 135.3420, 34.5680,  
12.2960

■ 147.9600, 23.8400,  
8.4800

■ 159.8770, 13.7080,  
4.8760

■ 172.4950, 2.9800,  
1.0600

■ 184.4120, -7.1520,  
-2.5440

# Harmonies

## Analogous

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



64.4070, 81.7830, 65.2310



73.7680, 86.6950, 31.2630



83.8690, 68.9120, -4.4000

# Triad

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



73.7680, 86.6950, 31.2630



68.9020, -42.4480, -45.7120



78.7930, -90.9670, 13.1370

# Complementary

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



73.7680, 86.6950, 31.2630



132.2320, -86.6950, -31.2630

# 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.



85.1700, -91.0110, 2.9170



73.7680, 86.6950, 31.2630



77.3890, -62.2120, -28.9320

# Square

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



73.7680, 86.6950, 31.2630



73.9050, -2.9720, -45.2760



83.6590, -79.8670, -11.8270



90.6450, -22.2440, 39.7080



# Rectangle

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



73.7680, 86.6950, 31.2630



85.1880, 48.4200, -18.4920



83.6590, -79.8670, -11.8270



82.3150, -92.6170, 9.9990

# Sweetspot

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



73.7680, 86.6950, 31.2630



189.4560, 34.2470, 12.6070



89.7000, 38.9580, 75.9340



90.5790, 20.5390, 7.7310



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



73.7680, 86.6950, 31.2630



68.9980, 136.4380, 49.3820



115.3310, 67.4910, -6.1810



82.6910, 5.3640, 1.9080



45.8610, 90.8670, 32.7470



7.7740, 15.4960, 5.5120



# Inverse Universe

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



73.7680, 86.6950, 31.2630



68.9980, 136.4380, 49.3820



90.6690, -67.4910, 6.1810



82.6910, 5.3640, 1.9080



45.8610, 90.8670, 32.7470



7.7740, 15.4960, 5.5120



# Previews

## White Background



This preview shows how the YIQ color 73.7680, 86.6950, 31.2630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

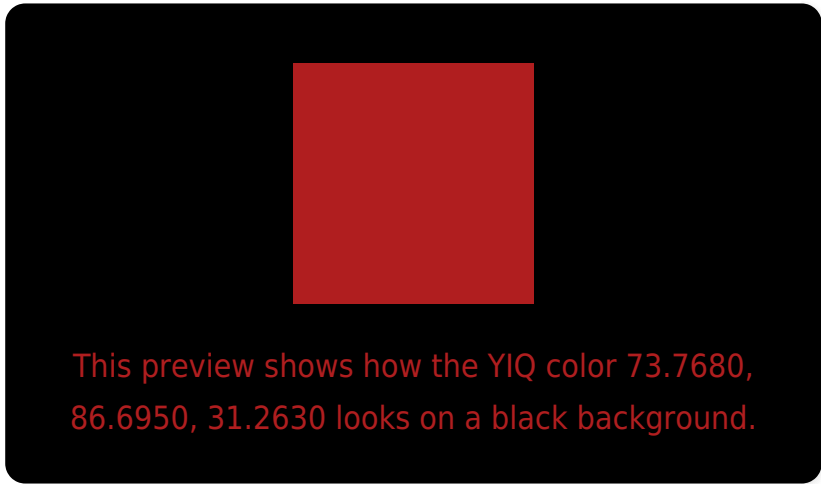
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 73.7680, 86.6950, 31.2630**

## **Background**



This preview shows how black text looks on a background with the YIQ color 73.7680, 86.6950, 31.2630.



This preview shows how white text looks on a background with the YIQ color 73.7680, 86.6950,



# 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

73.7680, 86.6950, 31.2630

### Protanopia

89.5610, 19.8090, -12.0870

### Deuteranopia

87.4630, 40.3960, -16.2440



## Tritanopia

73.5400, 87.3370, 30.6410

# Trichromacy



## Original Color

73.7680, 86.6950, 31.2630

## Protanomaly

83.4490, 44.1520, 3.8000

## Deuteranomaly

82.3980, 57.3570, 1.2690

## Tritanomaly

73.6540, 87.0160, 30.9520

# Monochromacy



## Original Color

73.7680, 86.6950, 31.2630

## Achromatopsia

74.0000, -0.0000, 0.0000

## Achromatomaly

73.8470, 31.5880, 11.2360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 73.7680, 86.6950, 31.2630 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(176, 30, 31)` looks like.

```
.text, #text, p{  
    color:rgb(176, 30, 31)  
}
```

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(176, 30, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 30, 31) }
```

## Border

The CSS property to change the border of an element to YIQ 73.7680, 86.6950, 31.2630 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(176, 30, 31) }
```



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

```
.border{ border-color:rgb(176, 30, 31) }
```

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

Here you see how a box with a 4 pixel rgb(176, 30, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 30, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 30, 31);  
box-shadow:4px 4px 4px 4px rgb(176, 30,  
31) }
```

# Background

The CSS property to change the background color of an element to YIQ 73.7680, 86.6950, 31.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 30, 31) }
```

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

```
.background{ background-color: rgb(176, 30,  
31) }
```

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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