

Converting Colors

YIQ(220.8020, 68.7370,
-50.8070)

Have a look what the booklet for
YIQ(220.8020, 68.7370, -50.8070)
contains.

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Color

**YIQ(220.8020, 68.7370,
-50.8070)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB3A
RGB	255, 235, 58
RGB Percent	100%, 92%, 23%
CMY	0.0001, 0.0784, 0.7721
CMYK	0.00, 0.08, 0.77, 0.00
HSL	54°, 100%, 61%
HSV	54°, 77%, 100%
XYZ	71.7063, 80.9751, 15.8674
YIQ	220.8020, 68.7370, -50.8070

Conversions

Conversions Part 2

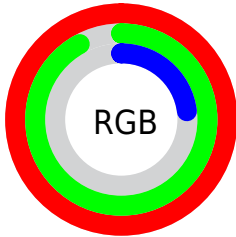
Format	Color
RYB	80, 255, 58
Decimal	16771898
CIELab	92.12, -10.86, 81.17
CIELCh	92, 81.891, 97.624
Yxy	80.9751, 0.4254, 0.4804
Android (android.graphics.Color)	4294961978 (0xFFFFE3A)
YUV	220.8020, -80.2614, 29.9916
Hunter-Lab	89.9862, -15.2364, 52.5356

Details

The YIQ color **220.8020, 68.7370, -50.8070** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **92.1980, -68.7370, 50.8070**, and the grayscale version is **222.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **239.4960, 43.6560, -42.2960**, and **163.6660, 66.1240, -53.0120** is the 20% darker color. If you saturate the color by 10%, you get **216.1910, 77.5870, -57.0130**, and if you desaturate by 10%, it is **225.5270, 59.5660, -44.2900**.

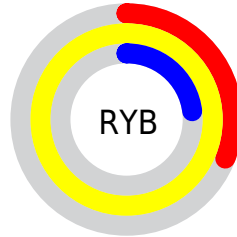
Distribution



Red (100%)

Green (92%)

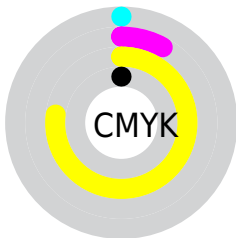
Blue (23%)



Red (31%)

Yellow (100%)

Blue (23%)

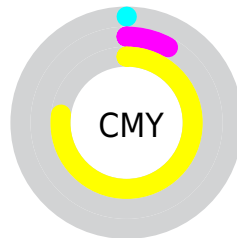


Cyan (0%)

Magenta (8%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 220.8020, 68.7370, -50.8070 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 220.8020, 68.7370, -50.8070 by changing the saturation by 10% instead.

220.8020, 68.7370,
-50.8070

220.8020, 68.7370,
-50.8070

255.0000, -0.0000,
-0.0000

190.0810, 72.0850,
-56.4190

239.4960, 43.6560,
-42.2960

163.6660, 66.1240,
-53.0120

242.8020, 34.3470,
-33.2770

138.8470, 55.6690,
-45.2510

246.1080, 25.0380,
-24.2580

114.9140, 45.5350,
-37.8010

249.5280, 15.4080,
-14.9280

92.4540, 35.4470,
-31.1850

252.8340, 6.0990,
-5.9090

69.9940, 25.3590,
-24.5690

48.4200, 15.5920,

-18.2640

■ 28.6180, 6.4670,
-12.5810

■ 8.2180, -3.8500,
-7.3220

■ 220.8020, 68.7370,
-50.8070

■ 220.8020, 68.7370,
-50.8070

■ 216.1910, 77.5870,
-57.0130

■ 225.5270, 59.5660,
-44.2900

■ 212.0530, 86.4830,
-64.0530

■ 229.5510, 50.9910,
-37.5610

■ 210.6680, 89.0050,
-65.7070

■ 234.2760, 41.8200,
-31.0440

■ 238.3000, 33.2450,
-24.3150

■ 243.0250, 24.0740,
-17.7980

■ 247.6360, 15.2240,
-11.5920

■ 251.7740, 6.3280,
-4.5520

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

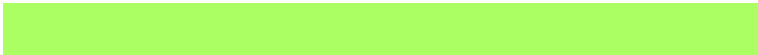
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



206.9880, 69.0540, -29.0100



220.8020, 68.7370, -50.8070



212.1000, 0.0120, -66.3240

Triad

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



220.8020, 68.7370, -50.8070



178.7550, -151.9800, -54.0600



205.6920, 23.1000, 43.9320

Complementary

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



220.8020, 68.7370, -50.8070



92.1980, -68.7370, 50.8070

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.



224.4760, 14.3000, 27.1960



220.8020, 68.7370, -50.8070



178.7550, -151.9800, -54.0600

Square

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



220.8020, 68.7370, -50.8070



178.2990, -150.6960, -55.3040



196.9150, -86.8800, -22.4000



193.5010, 39.5150, 38.2910

Rectangle

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



220.8020, 68.7370, -50.8070



192.7120, -63.3050, -69.7130



196.9150, -86.8800, -22.4000



210.9750, 20.6250, 39.2250

Sweetspot

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



220.8020, 68.7370, -50.8070



244.7520, 20.5890, -15.2110



119.5250, 110.0290, 48.9170



121.5480, 12.6560, -9.1040



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.



220.8020, 68.7370, -50.8070



213.8940, 82.6770, -61.1550



210.1170, 18.5370, -77.1670



125.3440, 4.7230, -2.9970



158.0730, 66.5360, -49.4640



52.5950, 22.4690, -16.2430

Inverse Universe

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



92.1980, -68.7370, 50.8070



59.1060, -82.6770, 61.1550



103.1820, -17.9410, 77.3790



117.0690, -4.4480, 3.5200



32.9270, -66.5360, 49.4640



10.8180, -22.1940, 16.7660

Previews

White Background



This preview shows how the YIQ color 220.8020, 68.7370, -50.8070 looks on a white background.

Color Contrast Check

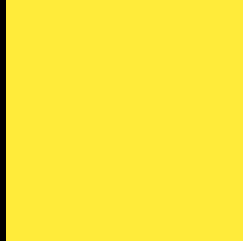
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 220.8020, 68.7370, -50.8070 looks on a black 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

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

YIQ 220.8020, 68.7370, -50.8070

Background



This preview shows how black text looks on a background with the YIQ color 220.8020, 68.7370, -50.8070.



This preview shows how white text looks on a background with the YIQ color 220.8020, 68.7370, -50.8070.

-50.8070.

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

220.8020, 68.7370, -50.8070

Protanopia

227.3800, 47.4590, -28.6130

Deuteranopia

232.1970, 27.0060, -4.8500



Tritanopia

234.5230, 14.9450, 9.9930

Trichromacy



Original Color

220.8020, 68.7370, -50.8070

Protanomaly

225.1170, 55.2090, -36.9110

Deuteranomaly

228.3720, 41.9100, -21.6580

Tritanomaly

229.5750, 34.3890, -12.0030

Monochromacy



Original Color

220.8020, 68.7370, -50.8070

Achromatopsia

221.0000, 0.0000, 0.0000

Achromatomaly

220.7970, 24.7160, -18.4200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 220.8020, 68.7370, -50.8070 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(255, 235, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 58)  
}
```

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(255, 235, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 58) }
```

Border

The CSS property to change the border of an element to YIQ 220.8020, 68.7370, -50.8070 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(255, 235, 58) }
```


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

```
.border{ border-color:rgb(255, 235, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
58) }
```

Background

The CSS property to change the background color of an element to YIQ 220.8020, 68.7370, -50.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 58) }
```

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

```
.background{ background-color: rgb(255,  
235, 58) }
```

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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