

Converting Colors

YIQ(38.3340, 20.9920, 38.0800)

Have a look what the booklet for
YIQ(38.3340, 20.9920, 38.0800)
contains.

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Color

**YIQ(38.3340, 20.9920,
38.0800)**

Conversions

Conversions Part 1

Format	Color
Hex	520850
RGB	82, 8, 80
RGB Percent	32%, 3%, 31%
CMY	0.6782, 0.9687, 0.6862
CMYK	0.00, 0.90, 0.02, 0.68
HSL	302°, 82%, 18%
HSV	302°, 90%, 32%
XYZ	5.0193, 2.5487, 7.8182
YIQ	38.3340, 20.9920, 38.0800

Conversions

Conversions Part 2

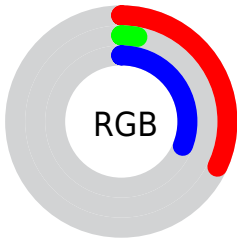
Format	Color
R_YB	82, 8, 80
Decimal	5376080
CIE Lab	18.14, 40.44, -24.27
CIE LCh	18, 47.168, 329.033
Yxy	2.5487, 0.3262, 0.1656
Android (android.graphics.Color)	4283566160 (0xFF520850)
YUV	38.3340, 20.5413, 38.2951
Hunter-Lab	15.9645, 28.1833, -17.8605

Details

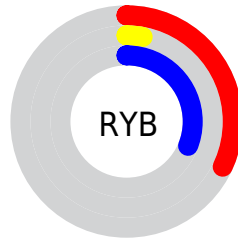
The YIQ color **38.3340, 20.9920, 38.0800** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **51.6660, -20.9920, -38.0800**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.2800, 21.0840, 36.4120**, and **14.7540, 10.2210, 18.5170** is the 20% darker color. If you saturate the color by 10%, you get **33.6380, 23.1920, 42.2640**, and if you desaturate by 10%, it is **43.0300, 18.7920, 33.8960**.

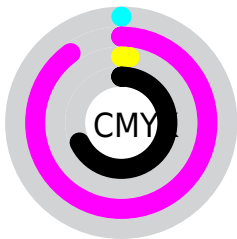
Distribution



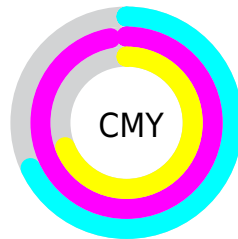
- Red (32%)
- Green (3%)
- Blue (31%)



- Red (32%)
- Yellow (3%)
- Blue (31%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (68%)



- Cyan (68%)
- Magenta (97%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.3340, 20.9920, 38.0800 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 38.3340, 20.9920, 38.0800 by changing the saturation by 10% instead.

■ 38.3340, 20.9920,
38.0800

■ 38.3340, 20.9920,
38.0800

■ 253.2390, 0.8250,
1.5690

■ 23.5410, 15.6750,
29.8110

■ 91.2800, 21.0840,
36.4120

■ 14.7540, 10.2210,
18.5170

■ 117.5790, 21.6800,
36.6240

■ 1.0260, -2.8890,
2.7990

■ 143.7040, 22.8260,
37.8820


■ 0.0000, 0.0000,
0.0000


■ 171.4160, 23.6970,
38.6170


■ 199.1280, 24.5680,
39.3520


■ 219.1930, 16.7750,


31.9030


 236.2160, 8.8000,
16.7360


 38.3340, 20.9920,
38.0800


 38.3340, 20.9920,
38.0800


 33.6380, 23.1920,
42.2640

 43.0300, 18.7920,
33.8960

 47.7260, 16.5920,
29.7120

 53.1230, 13.7960,
25.3160

 57.8190, 11.5960,
21.1320

 62.5150, 9.3960,
16.9480

■ 67.2110, 7.1960,
12.7640

■ 72.0210, 4.6750,
8.8910

■ 77.3040, 2.2000,
4.1840

■ 82.0000, 0.0000,
-0.0000

Harmonies

Analogous

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



42.3710, -25.1290, 20.3990



38.3340, 20.9920, 38.0800



35.2580, 44.5130, 35.8170

Triad

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



38.3340, 20.9920, 38.0800



42.2840, 22.1470, -10.4050



42.8240, -40.6670, -6.3870

Complementary

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



38.3340, 20.9920, 38.0800



51.6660, -20.9920, -38.0800

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.



38.2470, -29.1570, -16.7490



38.3340, 20.9920, 38.0800



36.5150, -0.9130, -22.0090

Square

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



38.3340, 20.9920, 38.0800



40.3670, 41.4470, 3.2630



33.1000, -16.0420, -28.6660



44.6140, -48.4630, 2.7450

Rectangle

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



38.3340, 20.9920, 38.0800



33.0490, 52.1710, 29.1870



33.1000, -16.0420, -28.6660



41.5700, -37.1360, -9.8080

Sweetspot

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



38.3340, 20.9920, 38.0800



89.8630, 8.2960, 14.8560



16.7350, -23.1580, 23.2260



43.3200, 5.2710, 9.1030



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



38.3340, 20.9920, 38.0800



43.8490, 30.3880, 55.0280



34.2300, 32.5480, 26.8840



38.6520, 1.1000, 2.0920



43.0230, 29.8380, 53.9820



95.1320, 65.7260, 119.4700

Inverse Universe

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



38.3340, 20.9920, 38.0800



43.8490, 30.3880, 55.0280



55.7700, -32.5480, -26.8840



38.6520, 1.1000, 2.0920



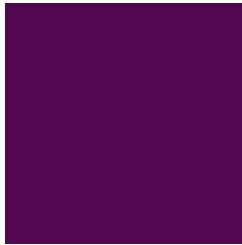
43.0230, 29.8380, 53.9820



95.1320, 65.7260, 119.4700

Previews

White Background



This preview shows how the YIQ color 38.3340, 20.9920, 38.0800 looks on a white background.

Color Contrast Check

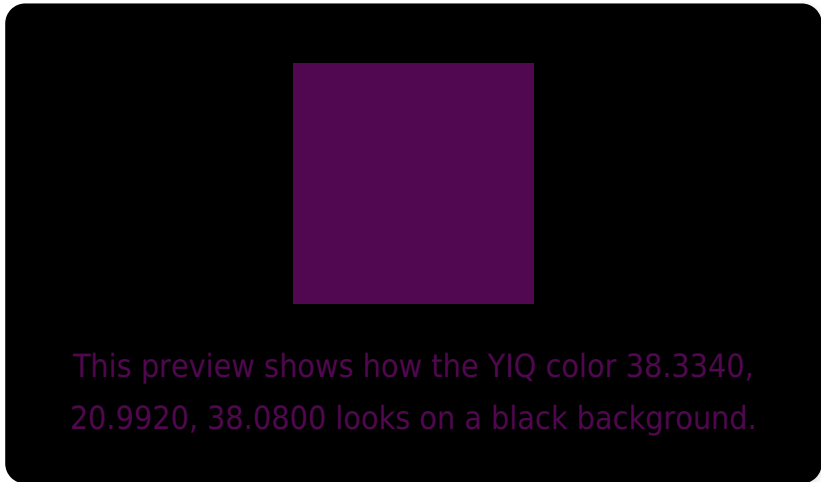
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

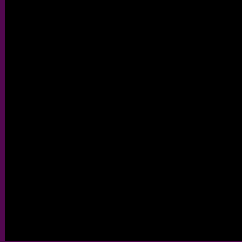
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.3340, 20.9920, 38.0800

Background



This preview shows how black text looks on a background with the YIQ color 38.3340, 20.9920, 38.0800.



This preview shows how white text looks on a background with the YIQ color 38.3340, 20.9920,

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

38.3340, 20.9920, 38.0800

Protanopia

37.3590, -43.1910, 6.3210

Deuteranopia

45.4080, -18.5240, 5.3160



Tritanopia

45.6830, 26.1780, 10.1620

Trichromacy



Original Color

38.3340, 20.9920, 38.0800

Protanomaly

38.0140, -19.8100, 17.6140

Deuteranomaly

43.0990, -3.9920, 17.2880

Tritanomaly

42.9360, 24.3880, 20.5800

Monochromacy



Original Color

38.3340, 20.9920, 38.0800

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.0370, 7.7460, 13.8100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.3340, 20.9920, 38.0800 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(82, 8, 80)` looks like.

```
.text, #text, p{  
    color:rgb(82, 8, 80)  
}
```

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(82, 8, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 8, 80) }
```

Border

The CSS property to change the border of an element to YIQ 38.3340, 20.9920, 38.0800 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(82, 8, 80) }
```


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

```
.border{ border-color:rgb(82, 8, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 8, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 8, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 8, 80); box-shadow:4px  
4px 4px 4px rgb(82, 8, 80) }
```

Background

The CSS property to change the background color of an element to YIQ 38.3340, 20.9920, 38.0800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 8, 80) }
```

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

```
.background{ background-color: rgb(82, 8,  
80) }
```

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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