

Converting Colors

YIQ(33.8080, 10.1290, 20.1850)

Have a look what the booklet for
YIQ(33.8080, 10.1290, 20.1850)
contains.

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Color

**YIQ(33.8080, 10.1290,
20.1850)**

Conversions

Conversions Part 1

Format	Color
Hex	381239
RGB	56, 18, 57
RGB Percent	22%, 7%, 22%
CMY	0.7803, 0.9295, 0.7765
CMYK	0.02, 0.68, 0.00, 0.78
HSL	299°, 52%, 15%
HSV	299°, 68%, 22%
XYZ	2.5872, 1.5691, 4.0377
YIQ	33.8080, 10.1290, 20.1850

Conversions

Conversions Part 2

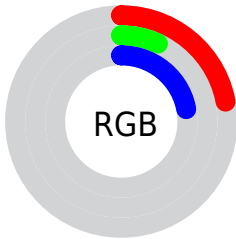
Format	Color
RYB	56, 18, 57
Decimal	3674681
CIELab	13.04, 25.23, -16.62
CIELCh	13, 30.214, 326.619
Yxy	1.5691, 0.3157, 0.1915
Android (android.graphics.Color)	4281864761 (0xFF381239)
YUV	33.8080, 11.4337, 19.4624
Hunter-Lab	12.5265, 14.9451, -10.3428

Details

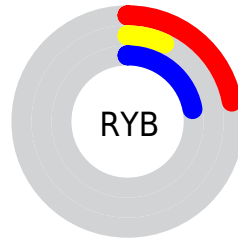
The YIQ color **33.8080, 10.1290, 20.1850** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **41.1920, -10.1290, -20.1850**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **80.2320, 11.8710, 21.6550**, and **1.2540, -3.5310, 3.4210** is the 20% darker color. If you saturate the color by 10%, you get **30.2860, 11.7790, 23.3230**, and if you desaturate by 10%, it is **37.3300, 8.4790, 17.0470**.

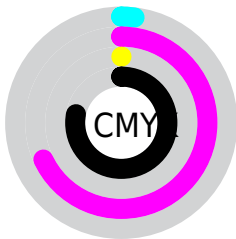
Distribution



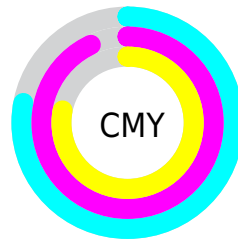
- Red (22%)
- Green (7%)
- Blue (22%)



- Red (22%)
- Yellow (7%)
- Blue (22%)



- Cyan (2%)
- Magenta (68%)
- Yellow (0%)
- Black (78%)



- Cyan (78%)
- Magenta (93%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.8080, 10.1290, 20.1850 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 33.8080, 10.1290, 20.1850 by changing the saturation by 10% instead.

■ 33.8080, 10.1290,
20.1850

■ 33.8080, 10.1290,
20.1850

■ 250.8910, 1.9250,
3.6610

■ 14.5690, 9.3040,
18.6160

■ 80.2320, 11.8710,
21.6550

■ 1.2540, -3.5310,
3.4210

■ 104.6450, 12.1460,
22.1780

■ 0.0000, 0.0000,
0.0000


■ 130.4710, 12.6960,
23.2240


■ 156.7700, 13.2920,
23.4360


■ 183.5960, 13.8420,
24.4820


■ 211.0090, 14.1170,


25.0050


 233.8680, 9.9000,
18.8280


 33.8080, 10.1290,
20.1850


 33.8080, 10.1290,
20.1850

 30.2860, 11.7790,
23.3230


 37.3300, 8.4790,
17.0470


 27.3510, 13.1540,
25.9380

 40.2650, 7.1040,
14.4320

 23.8290, 14.8040,
29.0760

 43.7870, 5.4540,
11.2940

 23.2420, 15.0790,
29.5990

 47.6080, 4.4000,
8.3680

 50.5430, 3.0250,
5.7530

■ 54.0650, 1.3750,
2.6150

■ 57.5870, -0.2750,
-0.5230

■ 61.1090, -1.9250,
-3.6610

■ 64.0440, -3.3000,
-6.2760

Harmonies

Analogous

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



32.8910, -15.2700, 12.4260



33.8080, 10.1290, 20.1850



30.1320, 26.7720, 21.4280

Triad

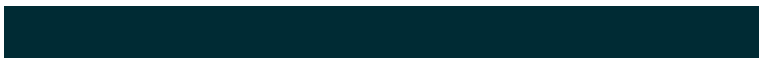
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.8080, 10.1290, 20.1850



32.2390, 18.0200, -7.1960



31.1690, -28.5170, -6.3170

Complementary

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



33.8080, 10.1290, 20.1850



41.1920, -10.1290, -20.1850

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.



28.7750, -21.7760, -12.8480



33.8080, 10.1290, 20.1850



30.0800, 5.0460, -14.3620

Square

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



33.8080, 10.1290, 20.1850



31.7400, 30.0310, 0.9030



24.6370, -12.8800, -19.8880



31.9330, -33.4240, 0.0160

Rectangle

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



33.8080, 10.1290, 20.1850



28.8350, 31.8620, 17.2860



24.6370, -12.8800, -19.8880



30.3710, -26.2700, -8.4940

Sweetspot

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



33.8080, 10.1290, 20.1850



64.6080, 4.4000, 8.3680



23.0330, -12.7940, 11.6060



32.7170, 2.4750, 4.7070



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



33.8080, 10.1290, 20.1850



37.5950, 15.5830, 31.4790



32.0550, 16.5030, 14.7990



26.2390, 0.8250, 1.5690



37.3980, 24.1080, 47.6920



88.9520, 57.2450, 113.4770

Inverse Universe

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



29.7750, 22.9230, 8.5790



31.4670, 35.7140, 13.5540



42.9450, -16.5030, -14.7990



25.8970, 1.7880, 0.6360



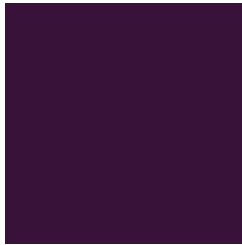
27.7360, 54.1900, 20.1260



66.0510, 128.9190, 47.9830

Previews

White Background



This preview shows how the YIQ color 33.8080, 10.1290, 20.1850 looks on a white background.

Color Contrast Check

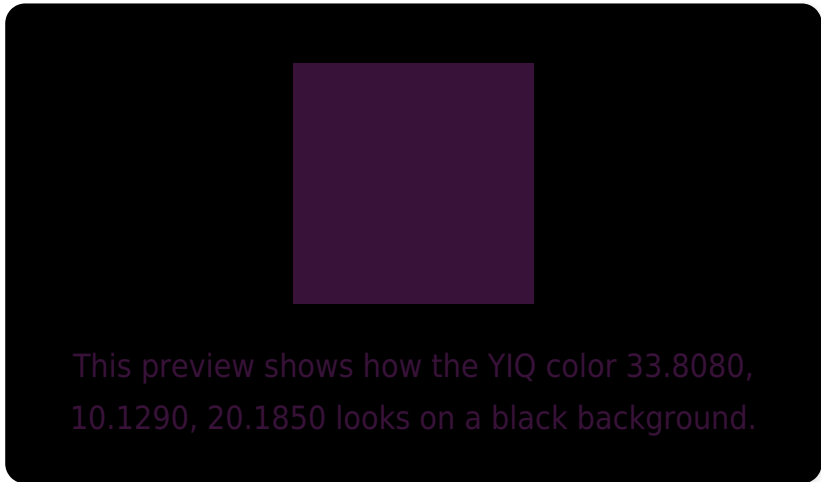
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8080, 10.1290, 20.1850

Background



This preview shows how black text looks on a background with the YIQ color 33.8080, 10.1290, 20.1850.



This preview shows how white text looks on a background with the YIQ color 33.8080, 10.1290,

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

33.8080, 10.1290, 20.1850

Protanopia

28.1660, -32.4620, 4.6100

Deuteranopia

34.1760, -12.0590, 3.7890



Tritanopia

35.0020, 14.8540, 6.1340

Trichromacy



Original Color

33.8080, 10.1290, 20.1850

Protanomaly

30.0540, -17.2870, 10.4330

Deuteranomaly

34.0570, -4.1740, 9.5700

Tritanomaly

34.6800, 13.0650, 11.0250

Monochromacy



Original Color

33.8080, 10.1290, 20.1850

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

33.7820, 3.8500, 7.3220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.8080, 10.1290, 20.1850 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(56, 18, 57)` looks like.

```
.text, #text, p{  
    color:rgb(56, 18, 57)  
}
```

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(56, 18, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 18, 57) }
```

Border

The CSS property to change the border of an element to YIQ 33.8080, 10.1290, 20.1850 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(56, 18, 57) }
```


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

```
.border{ border-color:rgb(56, 18, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 18, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 18, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 18, 57);  
box-shadow:4px 4px 4px 4px rgb(56, 18, 57)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.8080, 10.1290, 20.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 18, 57) }
```

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

```
.background{ background-color: rgb(56, 18,  
57) }
```

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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