

Converting Colors

YIQ(38.1680, -8.4400, 20.8080)

Have a look what the booklet for
YIQ(38.1680, -8.4400, 20.8080)
contains.

YIQ(38.1680, -8.4400, 20.8080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(38.1680, -8.4400,
20.8080)**

Conversions

Conversions Part 1

Format	Color
Hex	2B1B53
RGB	43, 27, 83
RGB Percent	17%, 11%, 33%
CMY	0.8313, 0.8941, 0.6746
CMYK	0.48, 0.67, 0.00, 0.67
HSL	257°, 51%, 22%
HSV	257°, 67%, 33%
XYZ	2.9494, 1.9218, 8.3951
YIQ	38.1680, -8.4400, 20.8080

Conversions

Conversions Part 2

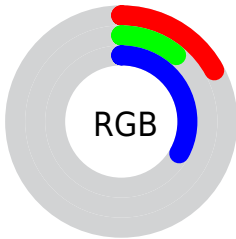
Format	Color
R_{YB}	43, 27, 83
Decimal	2825043
CIE _{Lab}	15.07, 23.19, -31.55
CIE _{LCh}	15, 39.160, 306.318
Yxy	1.9218, 0.2223, 0.1449
Android (android.graphics.Color)	4281015123 (0xFF2B1B53)
YUV	38.1680, 22.1022, 4.2377
Hunter-Lab	13.8629, 13.7169, -26.2011

Details

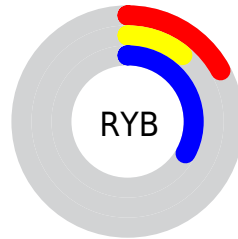
The YIQ color **38.1680, -8.4400, 20.8080** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **71.8320, 8.4400, -20.8080**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **84.3470, -7.3860, 23.7340**, and **4.8050, -12.1520, 10.9840** is the 20% darker color. If you saturate the color by 10%, you get **31.6780, -9.8160, 23.7200**, and if you desaturate by 10%, it is **44.6580, -7.0640, 17.8960**.

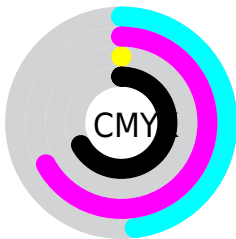
Distribution



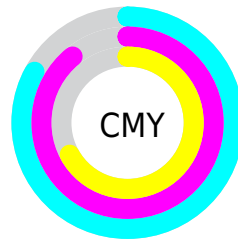
- Red (17%)
- Green (11%)
- Blue (33%)



- Red (17%)
- Yellow (11%)
- Blue (33%)



- Cyan (48%)
- Magenta (67%)
- Yellow (0%)
- Black (67%)



- Cyan (83%)
- Magenta (89%)
- Yellow (67%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.1680, -8.4400, 20.8080 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 38.1680, -8.4400, 20.8080 by changing the saturation by 10% instead.

■ 38.1680, -8.4400,
20.8080

■ 38.1680, -8.4400,
20.8080

■ 255.0000, -0.0000,
-0.0000

■ 15.4560, -9.3110,
20.0730

■ 84.3470, -7.3860,
23.7340

■ 4.8050, -12.1520,
10.9840

■ 109.1730, -6.8360,
24.7800

■ 2.1830, -4.7690,
3.8310

■ 134.8140, -7.2030,
25.9250

■ 0.0000, 0.0000,
0.0000

■ 161.2270, -6.9280,
26.4480

■ 188.7540, -6.9740,
27.2820

■ 214.6420, -0.9670,

23.0410

■ 239.1510, 7.4250,
14.1210

■ 38.1680, -8.4400,
20.8080

■ 38.1680, -8.4400,
20.8080

■ 31.6780, -9.8160,
23.7200

■ 44.6580, -7.0640,
17.8960

■ 24.6010, -10.9170,
27.1550

■ 51.7350, -5.9630,
14.4610

■ 18.1110, -12.2930,
30.0670

■ 58.2250, -4.5870,
11.5490

■ 16.6380, -12.3390,
30.9010

■ 64.7150, -3.2110,
8.6370

■ 71.2050, -1.8350,
5.7250

■ 78.2820, -0.7340,
2.2900

■ 84.4730, 0.0460,
-0.8340

■ 90.9630, 1.4220,
-3.7460

■ 98.0400, 2.5230,
-7.1810

Harmonies

Analogous

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



34.1960, -41.1740, 8.3140



38.1680, -8.4400, 20.8080



32.6020, 22.8730, 31.5210

Triad

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



38.1680, -8.4400, 20.8080



35.8710, 31.0400, -0.8640



33.6650, -27.2780, -12.2540

Complementary

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



38.1680, -8.4400, 20.8080



71.8320, 8.4400, -20.8080

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.



29.6580, -17.3730, -21.0610



38.1680, -8.4400, 20.8080



35.7500, 14.9030, -11.2810

Square

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



38.1680, -8.4400, 20.8080



29.2030, 45.2050, 12.2530



30.3020, -4.6270, -20.7790



36.7430, -35.9450, -3.8570

Rectangle

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



38.1680, -8.4400, 20.8080



29.7190, 35.6650, 30.9690



30.3020, -4.6270, -20.7790



32.5250, -24.0680, -15.3640

Sweetspot

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



38.1680, -8.4400, 20.8080



90.1880, -3.1650, 7.8030



56.8640, -28.9760, -3.5040



43.3790, -2.3850, 4.6790



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.



38.1680, -8.4400, 20.8080



37.3930, -13.0270, 32.3570



46.5400, 8.2480, 26.7440



37.7550, -0.6880, 1.4560



20.9400, -15.8250, 39.0150



46.1820, -35.1360, 86.1440

Inverse Universe

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



48.3040, 20.5360, 24.3120



53.0810, 31.9500, 37.7260



63.4600, -8.2480, -26.7440



38.5380, 1.4210, 1.7810



39.9450, 38.5050, 45.5850



88.2920, 84.9860, 100.8100

Previews

White Background



This preview shows how the YIQ color 38.1680, -8.4400, 20.8080 looks on a white background.

Color Contrast Check

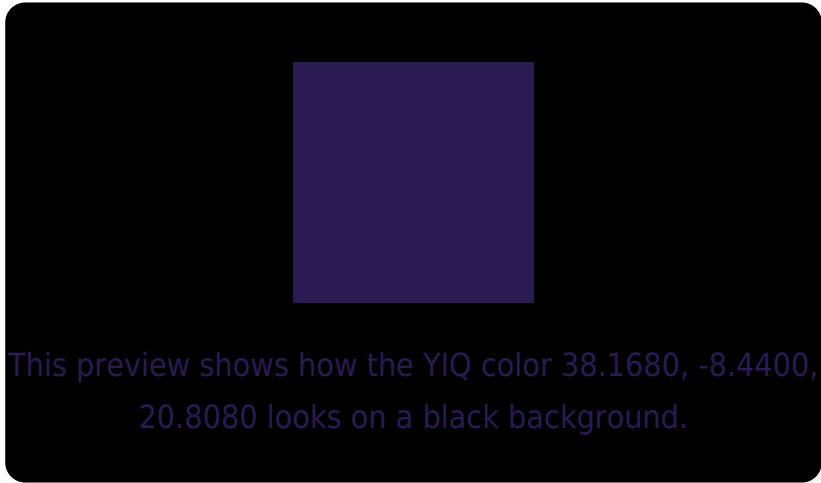
Large Text (above 18pt) WCAG AA ✓ Pass

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

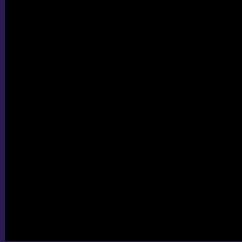
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.1680, -8.4400, 20.8080

Background



This preview shows how black text looks on a background with the YIQ color 38.1680, -8.4400, 20.8080.



This preview shows how white text looks on a background with the YIQ color 38.1680, -8.4400,

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

38.1680, -8.4400, 20.8080

Protanopia

30.6110, -35.2130, 4.9070

Deuteranopia

30.6450, -32.5530, 0.7510



Tritanopia

37.9500, -5.7310, -0.7630

Trichromacy



Original Color

38.1680, -8.4400, 20.8080

Protanomaly

33.2750, -25.2190, 11.0130

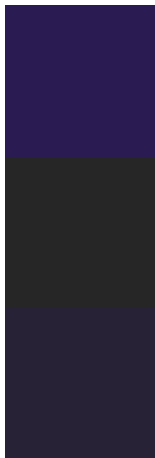
Deuteranomaly

33.6510, -23.5220, 7.7900

Tritanomaly

37.9210, -6.7870, 7.3650

Monochromacy



Original Color

38.1680, -8.4400, 20.8080

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.0740, -2.8440, 7.4920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.1680, -8.4400, 20.8080 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(43, 27, 83)` looks like.

```
.text, #text, p{  
    color:rgb(43, 27, 83)  
}
```

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(43, 27, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 27, 83) }
```

Border

The CSS property to change the border of an element to YIQ 38.1680, -8.4400, 20.8080 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(43, 27, 83) }
```


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

```
.border{ border-color:rgb(43, 27, 83) }
```

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

Here you see how a box with a 4 pixel rgb(43, 27, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 27, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 27, 83);  
box-shadow:4px 4px 4px 4px rgb(43, 27, 83)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.1680, -8.4400, 20.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 27, 83) }
```

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

```
.background{ background-color: rgb(43, 27,  
83) }
```

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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