

Converting Colors

YIQ(80.2180, -38.2400, 10.2080)

Have a look what the booklet for
YIQ(80.2180, -38.2400, 10.2080)
contains.

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Color

**YIQ(80.2180, -38.2400,
10.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	32548C
RGB	50, 84, 140
RGB Percent	20%, 33%, 55%
CMY	0.8039, 0.6705, 0.4512
CMYK	0.64, 0.40, 0.00, 0.45
HSL	217°, 47%, 37%
HSV	217°, 64%, 55%
XYZ	9.2162, 8.9127, 26.0263
YIQ	80.2180, -38.2400, 10.2080

Conversions

Conversions Part 2

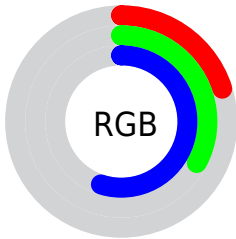
Format	Color
RYB	50, 75, 140
Decimal	3298444
CIELab	35.82, 6.36, -34.78
CIELCh	36, 35.362, 280.368
Yxy	8.9127, 0.2087, 0.2018
Android (android.graphics.Color)	4281488524 (0xFF32548C)
YUV	80.2180, 29.4725, -26.5012
Hunter-Lab	29.8541, 2.8597, -30.7901




Details

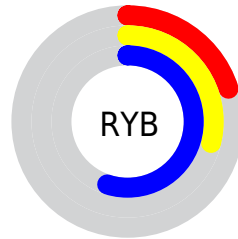
The YIQ color **80.2180, -38.2400, 10.2080** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **109.7820, 38.2400, -10.2080**, and the grayscale version is **80.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **131.5820, -36.2690, 13.0350**, and **33.6260, -39.5690, 6.7590** is the 20% darker color. If you saturate the color by 10%, you get **70.7490, -44.1090, 11.9470**, and if you desaturate by 10%, it is **89.6870, -32.3710, 8.4690**.

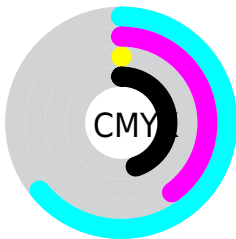
Distribution







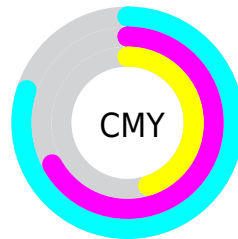
-  Red (20%)
-  Green (33%)
-  Blue (55%)






-  Red (20%)
-  Yellow (29%)
-  Blue (55%)



-  Cyan (64%)
-  Magenta (40%)
-  Yellow (0%)
-  Black (45%)



-  Cyan (80%)
-  Magenta (67%)
-  Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.2180, -38.2400, 10.2080 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 80.2180, -38.2400, 10.2080 by changing the saturation by 10% instead.

■ 80.2180, -38.2400,
10.2080

■ 80.2180, -38.2400,
10.2080

■ 255.0000, -0.0000,
-0.0000

■ 53.5870, -43.8330,
6.9430

■ 131.5820,
-36.2690, 13.0350

■ 33.6260, -39.5690,
6.7590

■ 158.1090,
-36.3150, 13.8690

■ 19.2640, -26.6860,
10.0660

■ 185.6360,
-36.3610, 14.7030

■ 6.6630, -14.6280,
11.8040

■ 210.9000,
-28.6570, 7.2390

■ 2.9810, -7.0160,
6.0080

■ 236.0070,
-19.0730, -1.2570

■ 0.0000, 0.0000,
0.0000

■ 252.3090, -5.3640,

-1.9080

■ 80.2180, -38.2400,
10.2080

■ 80.2180, -38.2400,
10.2080

■ 70.7490, -44.1090,
11.9470

■ 89.6870, -32.3710,
8.4690

■ 61.8670, -50.2530,
13.1630

■ 98.5690, -26.2270,
7.2530

■ 52.3980, -56.1220,
14.9020

■ 108.0380,
-20.3580, 5.5140

■ 47.0710, -59.5150,
15.8210

■ 117.5070,
-14.4890, 3.7750

■ 126.9760, -8.6200,
2.0360

■ 135.8580, -2.4760,
0.8200

■ 145.3270, 3.3930,
-0.9190

■ 154.7960, 9.2620,
-2.6580

■ 163.6780, 15.4060,
-3.8740

Harmonies

Analogous

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



69.6220, -69.2770, -5.5090



80.2180, -38.2400, 10.2080



87.0440, -2.1590, 22.6170

Triad

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



80.2180, -38.2400, 10.2080



83.2090, 45.0680, 9.2280



64.8330, -46.0270, -30.4030

Complementary

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



80.2180, -38.2400, 10.2080



109.7820, 38.2400, -10.2080

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.



76.9770, -2.3340, -23.7900



80.2180, -38.2400, 10.2080



82.4170, 38.0100, -6.0380

Square

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



80.2180, -38.2400, 10.2080



83.8470, 40.7560, 21.3000



80.5410, 22.5610, -17.9110



68.2420, -57.1240, -22.0200

Rectangle

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



80.2180, -38.2400, 10.2080



86.6180, 16.7760, 26.3760



80.5410, 22.5610, -17.9110



71.8910, -25.5790, -26.5310

Sweetspot

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



80.2180, -38.2400, 10.2080



158.5070, -14.4890, 3.7750



109.1000, -42.4050, -29.9650



78.0900, -8.9410, 2.3470



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



80.2180, -38.2400, 10.2080



88.3700, -58.9190, 16.0330



63.2500, -22.9300, 30.1100



64.5590, -3.0720, 0.6080



44.5120, -56.4430, 15.2130



1.7440, -2.1550, 0.5090

Inverse Universe

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



80.7860, 42.7260, 29.6540



89.4890, 66.1520, 45.6400



126.4510, 22.3340, -30.3220



64.4350, 3.2090, 2.4170



45.4670, 63.2180, 43.7460



1.7230, 2.3380, 1.6820

Previews

White Background



This preview shows how the YIQ color 80.2180, -38.2400, 10.2080 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



This preview shows how the YIQ color 80.2180, -38.2400, 10.2080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

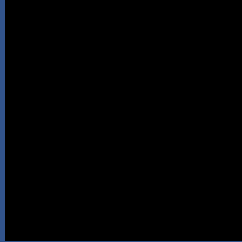
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.2180, -38.2400, 10.2080

Background



This preview shows how black text looks on a background with the YIQ color 80.2180, -38.2400, 10.2080.



This preview shows how white text looks on a background with the YIQ color 80.2180, -38.2400,

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

80.2180, -38.2400, 10.2080

Protanopia

82.1050, -30.4920, 12.9640

Deuteranopia

79.9080, -40.3030, 9.0490



Tritanopia

73.4770, -41.3080, -11.2920

Trichromacy



Original Color

80.2180, -38.2400, 10.2080

Protanomaly

81.6100, -33.4720, 11.9040

Deuteranomaly

80.2070, -39.7070, 9.2610

Tritanomaly

75.8180, -40.5300, -3.3620

Monochromacy



Original Color

80.2180, -38.2400, 10.2080

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

79.8060, -13.8930, 3.9870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.2180, -38.2400, 10.2080 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(50, 84, 140)` looks like.

```
.text, #text, p{  
    color:rgb(50, 84, 140)  
}
```

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(50, 84, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 84, 140) }
```

Border

The CSS property to change the border of an element to YIQ 80.2180, -38.2400, 10.2080 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(50, 84, 140) }
```


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

```
.border{ border-color:rgb(50, 84, 140) }
```

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

Here you see how a box with a 4 pixel rgb(50, 84, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 84, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 84, 140);  
box-shadow:4px 4px 4px 4px rgb(50, 84,  
140) }
```

Background

The CSS property to change the background color of an element to YIQ 80.2180, -38.2400, 10.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 84, 140) }
```

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

```
.background{ background-color: rgb(50, 84,  
140) }
```

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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