

Converting Colors

YIQ(70.8800, -33.9320, 20.2440)

Have a look what the booklet for
YIQ(70.8800, -33.9320, 20.2440)
contains.

YIQ(70.8800, -33.9320, 20.2440)	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(70.8800, -33.9320,
20.2440)**

Conversions

Conversions Part 1

Format	Color
Hex	33438F
RGB	51, 67, 143
RGB Percent	20%, 26%, 56%
CMY	0.8000, 0.7372, 0.4394
CMYK	0.64, 0.53, 0.00, 0.44
HSL	230°, 47%, 38%
HSV	230°, 64%, 56%
XYZ	8.3271, 6.7007, 26.8215
YIQ	70.8800, -33.9320, 20.2440

Conversions

Conversions Part 2

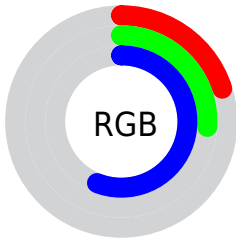
Format	Color
R_{YB}	51, 65, 143
Decimal	3359631
CIE _{Lab}	31.12, 18.99, -44.14
CIE _{LCh}	31, 48.049, 293.273
Yxy	6.7007, 0.1990, 0.1601
Android (android.graphics.Color)	4281549711 (0xFF33438F)
YUV	70.8800, 35.5552, -17.4348
Hunter-Lab	25.8857, 12.1214, -43.3135

Details

The YIQ color **70.8800, -33.9320, 20.2440** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **123.1200, 33.9320, -20.2440**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **121.9560, -31.0900, 23.8060**, and **25.1630, -36.4070, 15.5370** is the 20% darker color. If you saturate the color by 10%, you get **59.6500, -38.9760, 23.5520**, and if you desaturate by 10%, it is **82.1100, -28.8880, 16.9360**.

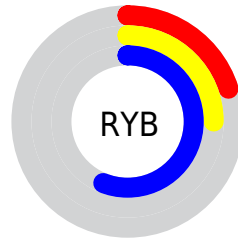
Distribution



 Red (20%)

 Green (26%)

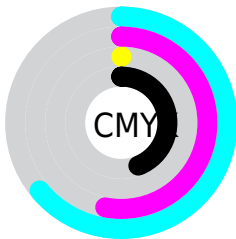
 Blue (56%)





 Red (20%)

 Yellow (25%)

 Blue (56%)

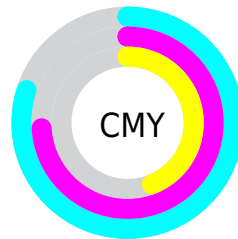


 Cyan (64%)

 Magenta (53%)

 Yellow (0%)

 Black (44%)



 Cyan (80%)

 Magenta (74%)

 Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.8800, -33.9320, 20.2440 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 70.8800, -33.9320, 20.2440 by changing the saturation by 10% instead.

■ 70.8800, -33.9320,
20.2440

■ 70.8800, -33.9320,
20.2440

■ 255.0000, -0.0000,
-0.0000

■ 44.5370, -40.3960,
16.2440

■ 121.9560,
-31.0900, 23.8060

■ 25.1630, -36.4070,
15.5370

■ 148.3090,
-30.5860, 25.6860

■ 7.7520, -21.8280,
21.1480

■ 174.8360,
-30.6320, 26.5200

■ 6.8910, -15.2700,
12.4260

■ 200.0570,
-21.3690, 18.3350

■ 3.2090, -7.6580,
6.6300

■ 224.5770,
-11.5100, 10.3620

■ 0.0000, 0.0000,
0.0000

■ 250.2710, -2.2010,

1.3430

■ 70.8800, -33.9320,
20.2440

■ 70.8800, -33.9320,
20.2440

■ 59.6500, -38.9760,
23.5520

■ 82.1100, -28.8880,
16.9360

■ 48.1210, -44.6160,
26.6480

■ 93.6390, -23.2480,
13.8400

■ 37.4780, -49.9350,
29.4330

■ 104.2820,
-17.9290, 11.0550

■ 30.9770, -52.7780,
31.3980

■ 115.5120,
-12.8850, 7.7470

■ 126.7420, -7.8410,
4.4390

■ 138.2710, -2.2010,
1.3430

■ 149.5010, 2.8430,
-1.9650

■ 160.1440, 8.1620,
-4.7500

■ 171.6730, 13.8020,
-7.8460

Harmonies

Analogous

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



63.8320, -69.5080, 4.1880



70.8800, -33.9320, 20.2440



74.3330, 13.5650, 35.0130

Triad

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



70.8800, -33.9320, 20.2440



68.3270, 56.1190, 1.6790



59.4250, -44.6980, -26.9540

Complementary

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



70.8800, -33.9320, 20.2440



123.1200, 33.9320, -20.2440

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.



53.2180, -31.3540, -37.5140



70.8800, -33.9320, 20.2440



69.5060, 38.8370, -15.5230

Square

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



70.8800, -33.9320, 20.2440



66.4640, 58.1320, 25.7800



65.4980, 14.9520, -28.6960



64.4580, -57.4920, -15.3480

Rectangle

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



70.8800, -33.9320, 20.2440



70.0600, 36.4430, 38.8990



65.4980, 14.9520, -28.6960



57.9430, -40.5250, -30.9970

Sweetspot

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



70.8800, -33.9320, 20.2440



158.5120, -12.8850, 7.7470



113.5540, -49.3750, -24.7910



77.1550, -7.5660, 4.9620



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



70.8800, -33.9320, 20.2440



73.9770, -52.7780, 31.3980



70.1590, -12.2480, 34.7600



65.9720, -2.7970, 1.1310



29.4780, -49.9350, 29.4330



1.4990, -2.8430, 1.9650

Inverse Universe

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



80.3320, 49.6960, 24.4800



88.6070, 77.2030, 38.0910



123.8410, 12.2480, -34.7600



66.3210, 3.5300, 2.1060



43.1010, 72.7560, 36.0840



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 70.8800, -33.9320, 20.2440 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 70.8800, -33.9320, 20.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

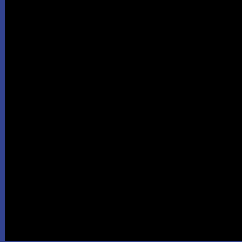
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.8800, -33.9320, 20.2440

Background



This preview shows how black text looks on a background with the YIQ color 70.8800, -33.9320, 20.2440.



This preview shows how white text looks on a background with the YIQ color 70.8800, -33.9320,

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

70.8800, -33.9320, 20.2440

Protanopia

63.8280, -54.5170, 13.3470

Deuteranopia

58.8450, -62.3550, 1.2050



Tritanopia

61.9500, -41.2620, -12.1260

Trichromacy



Original Color

70.8800, -33.9320, 20.2440

Protanomaly

66.4160, -47.3650, 15.8910

Deuteranomaly

63.3350, -51.8110, 8.3570

Tritanomaly

65.1820, -38.5590, -0.5350

Monochromacy



Original Color

70.8800, -33.9320, 20.2440

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

71.2840, -12.2430, 7.1250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.8800, -33.9320, 20.2440 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(51, 67, 143)` looks like.

```
.text, #text, p{  
    color:rgb(51, 67, 143)  
}
```

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(51, 67, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 67, 143) }
```

Border

The CSS property to change the border of an element to YIQ 70.8800, -33.9320, 20.2440 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(51, 67, 143) }
```


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

```
.border{ border-color:rgb(51, 67, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 67, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 67, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 67, 143);  
box-shadow:4px 4px 4px 4px rgb(51, 67,  
143) }
```

Background

The CSS property to change the background color of an element to YIQ 70.8800, -33.9320, 20.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 67, 143) }
```

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

```
.background{ background-color: rgb(51, 67,  
143) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor