

Converting Colors

YIQ(166.7560, 7.8800, 33.4160)

Have a look what the booklet for
YIQ(166.7560, 7.8800, 33.4160)
contains.

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Color

**YIQ(166.7560, 7.8800,
33.4160)**

Conversions

Conversions Part 1

Format	Color
Hex	C38FD7
RGB	195, 143, 215
RGB Percent	76%, 56%, 84%
CMY	0.2351, 0.4393, 0.1569
CMYK	0.09, 0.33, 0.00, 0.16
HSL	283°, 47%, 70%
HSV	283°, 33%, 84%
XYZ	44.6009, 36.1522, 68.9131
YIQ	166.7560, 7.8800, 33.4160

Conversions

Conversions Part 2

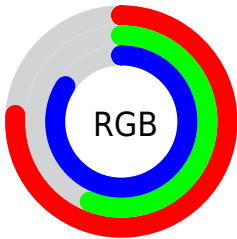
Format	Color
R_{YB}	195, 143, 215
Decimal	12816343
CIE _{Lab}	66.64, 32.35, -29.24
CIE _{LCh}	67, 43.608, 317.893
Yxy	36.1522, 0.2980, 0.2416
Android (android.graphics.Color)	4291006423 (0xFFC38FD7)
YUV	166.7560, 23.7843, 24.7700
Hunter-Lab	60.1267, 27.1864, -25.8654

Details

The YIQ color $166.7560, 7.8800, 33.4160$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $191.2440, -7.8800, -33.4160$, and the grayscale version is $167.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $220.0570, 14.1620, 29.6980$, and $114.1040, 6.7800, 31.3240$ is the 20% darker color. If you saturate the color by 10%, you get $152.0480, 10.3540, 43.6500$, and if you desaturate by 10%, it is $180.8770, 5.6810, 23.7050$.

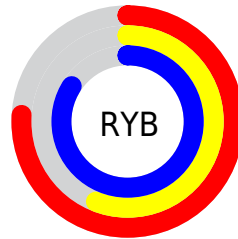
Distribution



Red (76%)

Green (56%)

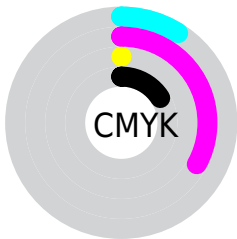
Blue (84%)



Red (76%)

Yellow (56%)

Blue (84%)

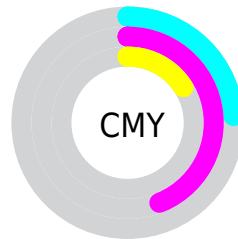


Cyan (9%)

Magenta (33%)

Yellow (0%)

Black (16%)



Cyan (24%)

Magenta (44%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 166.7560, 7.8800, 33.4160 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 166.7560, 7.8800, 33.4160 by changing the saturation by 10% instead.


 166.7560, 7.8800,
33.4160

 166.7560, 7.8800,
33.4160


255.0000, -0.0000,
-0.0000

 139.9300, 7.3300,
32.3700


 220.0570, 14.1620,
29.6980

 114.1040, 6.7800,
31.3240

 237.9770, 7.9750,
15.1670

 88.6910, 6.5050,
30.8010

254.4130, 0.2750,
0.5230

 64.7510, 6.2760,
29.4440

 40.4520, 5.6800,
29.2320

 18.8000, 4.5800,
27.1400

 9.1160, -2.6620,

15.2100

■ 2.1830, -4.7690,
3.8310

■ 0.0000, 0.0000,
0.0000

■ 166.7560, 7.8800,
33.4160

■ 166.7560, 7.8800,
33.4160

■ 152.0480, 10.3540,
43.6500

■ 180.8770, 5.6810,
23.7050

■ 137.9270, 12.5530,
53.3610

■ 195.5850, 3.2070,
13.4710

■ 123.2190, 15.0270,
63.5950

■ 209.7060, 1.0080,
3.7600

■ 109.0980, 17.2260,
73.3060

■ 224.4140, -1.4660,
-6.4740

■ 94.3900, 19.7000,
83.5400

■ 238.5350, -3.6650,
-16.1850

■ 80.2690, 21.8990,
93.2510

■ 243.2640, -1.4640,
-17.5280

■ 70.8550, 23.3650,
99.7250

■ 245.0580, 2.1120,
-16.2560

■ 246.8520, 5.6880,
-14.9840

■ 248.6460, 9.2640,
-13.7120

Harmonies

Analogous

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



161.9230, -35.4910, 20.9650



166.7560, 7.8800, 33.4160



165.8770, 41.2120, 35.0680

Triad

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



166.7560, 7.8800, 33.4160



159.8880, 49.5650, -11.7070



127.9240, -109.4350, -37.6510

Complementary

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



166.7560, 7.8800, 33.4160



191.2440, -7.8800, -33.4160

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.



140.0050, -61.4310, -37.5830



166.7560, 7.8800, 33.4160



156.4560, 23.9380, -26.3500

Square

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



166.7560, 7.8800, 33.4160



162.0230, 63.0870, 7.5590



150.9060, -12.7400, -33.4440



130.0390, -119.5240, -25.5080

Rectangle

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



166.7560, 7.8800, 33.4160



164.3160, 55.7930, 29.6250



150.9060, -12.7400, -33.4440



127.0290, -105.5370, -42.2170

Sweetspot

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



166.7560, 7.8800, 33.4160



238.2320, 2.7030, 11.5910



162.9480, -28.6120, 11.9320



117.1130, 1.4200, 7.3080



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



166.7560, 7.8800, 33.4160



186.7540, 11.3620, 47.4100



170.9120, 24.9360, 32.6800



99.6460, 1.2370, 5.1170



56.5700, 19.0130, 79.4690



14.1710, 4.6730, 19.9450

Inverse Universe

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



166.8080, 36.4920, 21.4840



186.6900, 51.8040, 30.3320



187.0880, -24.9360, -32.6800



99.6310, 5.5930, 3.2650



56.4870, 86.8290, 50.8690



14.2250, 21.7760, 12.8480

Previews

White Background



This preview shows how the YIQ color 166.7560, 7.8800, 33.4160 looks on a white background.

Color Contrast Check

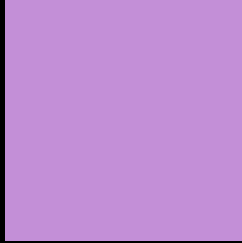
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 166.7560, 7.8800, 33.4160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

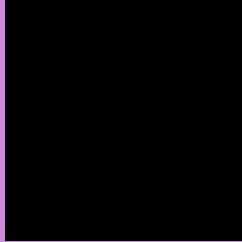
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 166.7560, 7.8800, 33.4160

Background



This preview shows how black text looks on a background with the YIQ color 166.7560, 7.8800, 33.4160.



This preview shows how white text looks on a background with the YIQ color 166.7560, 7.8800,

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

166.7560, 7.8800, 33.4160

Protanopia

162.0710, -33.1520, 17.1200

Deuteranopia

163.2370, -22.0560, 14.2640



Tritanopia

164.8330, 17.0080, 11.1520

Trichromacy



Original Color

166.7560, 7.8800, 33.4160



Protanomaly

163.9590, -17.9770, 22.9430



Deuteranomaly

164.6130, -11.1910, 21.1050



Tritanomaly

165.4340, 14.1180, 19.4780

Monochromacy



Original Color

166.7560, 7.8800, 33.4160



Achromatopsia

167.0000, -0.0000, -0.0000



Achromatomaly

166.6450, 2.9780, 12.1140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.7560, 7.8800, 33.4160 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(195, 143, 215)` looks like.

```
.text, #text, p{  
    color:rgb(195, 143, 215)  
}
```

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(195, 143, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 143, 215) }
```

Border

The CSS property to change the border of an element to YIQ 166.7560, 7.8800, 33.4160 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(195, 143, 215) }
```


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

```
.border{ border-color:rgb(195, 143, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 143, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 143, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 143, 215);  
box-shadow:4px 4px 4px 4px rgb(195, 143,  
215) }
```

Background

The CSS property to change the background color of an element to YIQ 166.7560, 7.8800, 33.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 143, 215) }
```

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

```
.background{ background-color: rgb(195,  
143, 215) }
```

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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