

# Converting Colors

YIQ(195.8800, -16.7370,  
11.4790)

Have a look what the booklet for  
YIQ(195.8800, -16.7370, 11.4790)  
contains.

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# Color

**YIQ(195.8800, -16.7370,  
11.4790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC1EA
RGB	187, 193, 234
RGB Percent	73%, 76%, 92%
CMY	0.2666, 0.2431, 0.0824
CMYK	0.20, 0.18, 0.00, 0.08
HSL	232°, 53%, 83%
HSV	232°, 20%, 92%
XYZ	54.4124, 54.6453, 85.5028
YIQ	195.8800, -16.7370, 11.4790

# Conversions

## Conversions Part 2

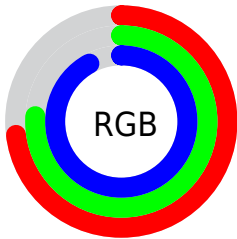
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 192, 234
Decimal	12304874
CIE Lab	78.84, 6.39, -21.01
CIE LCh	79, 21.956, 286.918
Yxy	54.6453, 0.2797, 0.2809
Android (android.graphics.Color)	4290494954 (0xFFBBC1EA)
YUV	195.8800, 18.7932, -7.7878
Hunter-Lab	73.9225, 2.0250, -16.8323

# Details

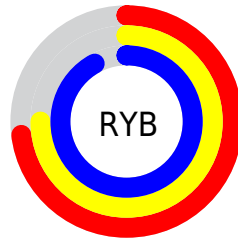
The YIQ color  $195.8800, -16.7370, 11.4790$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $225.1200, 16.7370, -11.4790$ , and the grayscale version is  $196.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $248.1890, -4.9060, 0.8060$ , and  $142.2390, -16.3700, 10.3340$  is the 20% darker color. If you saturate the color by 10%, you get  $177.2630, -24.9450, 17.0630$ , and if you desaturate by 10%, it is  $214.4970, -8.5290, 5.8950$ .

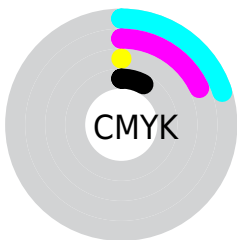
# Distribution



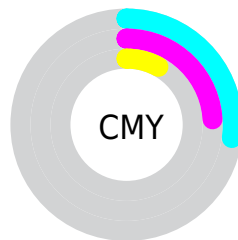
- Red (73%)
- Green (76%)
- Blue (92%)



- Red (73%)
- Yellow (75%)
- Blue (92%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)
- Black (8%)



- Cyan (27%)
- Magenta (24%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 195.8800, -16.7370, 11.4790 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 195.8800, -16.7370, 11.4790 by changing the saturation by 10% instead.



■ 195.8800,  
-16.7370, 11.4790

■ 195.8800,  
-16.7370, 11.4790

■ 255.0000, -0.0000,  
-0.0000

■ 168.7660,  
-16.4160, 11.1680

■ 248.1890, -4.9060,  
0.8060

■ 142.2390,  
-16.3700, 10.3340

■ 116.1250,  
-16.0490, 10.0230

■ 91.5980, -16.0030,  
9.1890

■ 67.4840, -15.6820,  
8.8780

■ 44.9570, -15.6360,  
8.0440

■ 23.4190, -17.0570,

6.2630

■ 4.2350, -10.5470,  
9.4290

■ 0.4560, -1.2840,  
1.2440

■ 195.8800,  
-16.7370, 11.4790

■ 195.8800,  
-16.7370, 11.4790

■ 177.2630,  
-24.9450, 17.0630

■ 214.4970, -8.5290,  
5.8950

■ 157.7600,  
-33.4740, 22.9580

■ 234.0000, -0.0000,  
0.0000

■ 139.1430,  
-41.6820, 28.5420

■ 252.0190, 7.0160,  
-6.0080

■ 119.6400,  
-50.2110, 34.4370

■ 252.6060, 6.7410,  
-6.5310

■ 101.0230,  
-58.4190, 40.0210

■ 82.4060, -66.6270,  
45.6050

■ 62.9030, -75.1560,  
51.5000

■ 44.2860, -83.3640,  
57.0840

# Harmonies

## Analogous

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



191.9160, -34.7540, 2.0940



195.8800, -16.7370, 11.4790



198.2910, 4.2150, 17.2310

# Triad

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



195.8800, -16.7370, 11.4790



197.1860, 34.7070, 4.2670



188.0580, -24.2510, -17.5550

# Complementary

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



195.8800, -16.7370, 11.4790



225.1200, 16.7370, -11.4790

# 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.



190.5240, -5.1320, -17.1320



195.8800, -16.7370, 11.4790



195.3820, 27.9230, -4.9490

# Square

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



195.8800, -16.7370, 11.4790



198.3850, 33.0090, 13.0170



192.9240, 14.3530, -12.3270



186.8530, -39.6110, -14.5150



# Rectangle

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



195.8800, -16.7370, 11.4790



199.1630, 16.3190, 18.1350



192.9240, 14.3530, -12.3270



188.5810, -18.4740, -17.6260

# Sweetspot

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



195.8800, -16.7370, 11.4790



242.8840, -5.3650, 3.6190



219.2630, -26.0860, -11.8300



120.6130, -3.1640, 2.2760



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.



195.8800, -16.7370, 11.4790



205.6500, -21.7810, 14.7870



197.4410, -4.9550, 18.2210



107.8410, -3.8060, 2.8980



34.1350, -64.4260, 44.2620



10.2650, -19.2590, 13.1330



# Inverse Universe

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



201.7370, 26.0860, 11.8300



213.1510, 33.7880, 15.4200



223.5590, 4.9550, -18.2210



109.4030, 6.2350, 2.6430



56.7410, 100.4930, 45.5250

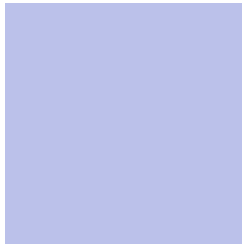


16.9440, 29.9370, 13.6250



# Previews

## White Background



This preview shows how the YIQ color 195.8800, -16.7370, 11.4790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

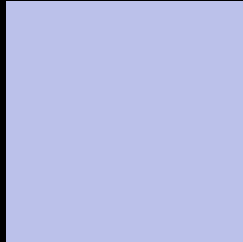
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 195.8800, -16.7370, 11.4790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

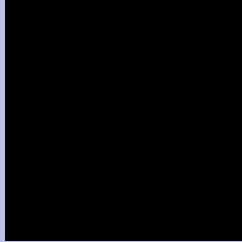
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 195.8800, -16.7370, 11.4790

## Background



This preview shows how black text looks on a background with the YIQ color 195.8800, -16.7370, 11.4790.



This preview shows how white text looks on a background with the YIQ color 195.8800, -16.7370, 11.4790.



# 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

195.8800, -16.7370, 11.4790

### Protanopia

195.5810, -17.3330, 11.2670

### Deuteranopia

196.7990, -12.0150, 14.0090



## Tritanopia

194.5240, -13.1590, 1.6970

# Trichromacy



## Original Color

195.8800, -16.7370, 11.4790

## Protanomaly

195.5810, -17.3330, 11.2670

## Deuteranomaly

196.4890, -14.0780, 12.8500

## Tritanomaly

195.1480, -14.8560, 4.9200

# Monochromacy



## Original Color

195.8800, -16.7370, 11.4790

## Achromatopsia

196.0000, -0.0000, -0.0000

## Achromatomaly

196.1120, -6.0070, 4.2410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 195.8800, -16.7370, 11.4790 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(187, 193, 234)` looks like.

```
.text, #text, p{  
    color:rgb(187, 193, 234)  
}
```

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(187, 193, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 193, 234) }
```

## Border

The CSS property to change the border of an element to YIQ 195.8800, -16.7370, 11.4790 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(187, 193, 234) }
```



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

```
.border{ border-color:rgb(187, 193, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 193, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 193, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 193, 234);  
box-shadow:4px 4px 4px 4px rgb(187, 193,  
234) }
```

# Background

The CSS property to change the background color of an element to YIQ 195.8800, -16.7370, 11.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 193, 234) }
```

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

```
.background{ background-color: rgb(187,  
193, 234) }
```

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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