

# Converting Colors

YIQ(191.8760, -1.7460, 20.6380)

Have a look what the booklet for  
YIQ(191.8760, -1.7460, 20.6380)  
contains.

<b>YIQ(191.8760, -1.7460, 20.6380)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(191.8760, -1.7460,  
20.6380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB3E5
RGB	203, 179, 229
RGB Percent	80%, 70%, 90%
CMY	0.2038, 0.2981, 0.1020
CMYK	0.11, 0.22, 0.00, 0.10
HSL	269°, 49%, 80%
HSV	269°, 22%, 90%
XYZ	54.8941, 50.5924, 80.9923
YIQ	191.8760, -1.7460, 20.6380

# Conversions

## Conversions Part 2

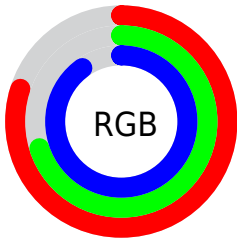
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 179, 229
Decimal	13349861
CIE <sub>Lab</sub>	76.43, 17.98, -21.85
CIE <sub>LCh</sub>	76, 28.294, 309.447
Yxy	50.5924, 0.2944, 0.2713
Android (android.graphics.Color)	4291539941 (0xFFCBB3E5)
YUV	191.8760, 18.3021, 9.7557
Hunter-Lab	71.1283, 13.2848, -17.7224

# Details

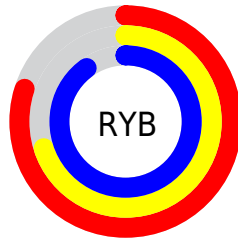
The YIQ color  $191.8760, -1.7460, 20.6380$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $216.1240, 1.7460, -20.6380$ , and the grayscale version is  $192.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $243.2600, 5.5000, 10.4600$ , and  $137.9360, -1.9750, 19.2810$  is the 20% darker color. If you saturate the color by 10%, you get  $174.7870, -2.5730, 30.1230$ , and if you desaturate by 10%, it is  $208.9650, -0.9190, 11.1530$ .

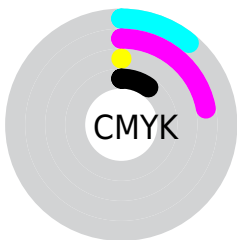
# Distribution



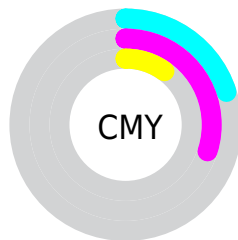
- Red (80%)
- Green (70%)
- Blue (90%)



- Red (80%)
- Yellow (70%)
- Blue (90%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (30%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 191.8760, -1.7460, 20.6380 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 191.8760, -1.7460, 20.6380 by changing the saturation by 10% instead.



■ 191.8760, -1.7460,  
20.6380

■ 191.8760, -1.7460,  
20.6380

■ 255.0000, -0.0000,  
-0.0000

■ 164.4630, -2.0210,  
20.1150

■ 243.2600, 5.5000,  
10.4600

■ 138.2350, -1.3790,  
19.4930

■ 112.5230, -2.2500,  
18.7580

■ 87.9960, -2.2040,  
17.9240

■ 64.4690, -2.1580,  
17.0900

■ 41.6430, -2.7080,  
16.0440

■ 20.1160, -2.6620,

15.2100

■ 3.1920, -8.9880,  
8.7080

■ 0.0000, 0.0000,  
0.0000

■ 191.8760, -1.7460,  
20.6380

■ 191.8760, -1.7460,  
20.6380

■ 174.7870, -2.5730,  
30.1230

■ 208.9650, -0.9190,  
11.1530

■ 157.6980, -3.4000,  
39.6080

■ 226.0540, -0.0920,  
1.6680

■ 140.6090, -4.2270,  
49.0930

■ 243.1430, 0.7350,  
-7.8170

■ 123.5200, -5.0540,  
58.5780

■ 250.8400, 5.9620,  
-8.9340

■ 106.7300, -5.2850,  
68.2750

■ 252.0360, 8.3460,  
-8.0860

■ 90.2280, -6.3870,  
77.2370

■ 73.1390, -7.2140,  
86.7220

■ 58.9960, -7.9490,  
94.5390

# Harmonies

## Analogous

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



187.9480, -28.6120, 11.9320



191.8760, -1.7460, 20.6380



193.0330, 22.7370, 22.9690

# Triad

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



191.8760, -1.7460, 20.6380



188.8840, 38.1930, -3.8470



176.1890, -49.6050, -20.6210

# Complementary

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



191.8760, -1.7460, 20.6380



216.1240, 1.7460, -20.6380

# 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.



179.7000, -26.3590, -23.4070



191.8760, -1.7460, 20.6380



186.6490, 22.3770, -14.5750

# Square

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



191.8760, -1.7460, 20.6380



190.9100, 44.4720, 9.0160



183.3410, -0.3630, -20.9630



176.3700, -60.0600, -12.8600



# Rectangle

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



191.8760, -1.7460, 20.6380



192.9110, 34.7040, 20.8480



183.3410, -0.3630, -20.9630



177.2560, -42.5440, -21.9360

# Sweetspot

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



191.8760, -1.7460, 20.6380



241.7430, -0.4140, 7.5060



200.5490, -23.4750, 1.4290



119.7490, -0.5510, 4.4810



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.



191.8760, -1.7460, 20.6380



206.0920, -2.1140, 27.3100



199.0520, 12.5580, 25.7260



106.1620, -0.2760, 5.0040



46.1200, -6.2030, 73.9010



13.2890, -1.4710, 21.1610



# Inverse Universe

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



196.9140, 21.4540, 18.6860



212.6100, 28.4220, 24.5660



208.9480, -12.5580, -25.7260



107.2720, 5.2260, 4.4100



64.1230, 76.8310, 66.8710



18.2130, 22.0500, 18.8980



# Previews

## White Background



This preview shows how the YIQ color 191.8760, -1.7460, 20.6380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

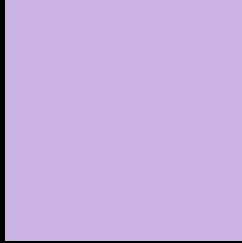
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 191.8760, -1.7460, 20.6380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

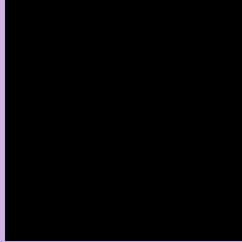
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 191.8760, -1.7460, 20.6380

## Background



This preview shows how black text looks on a background with the YIQ color 191.8760, -1.7460, 20.6380.



This preview shows how white text looks on a background with the YIQ color 191.8760, -1.7460,

20.6380.

# 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

191.8760, -1.7460, 20.6380

### Protanopia

189.3680, -21.0470, 12.4970

### Deuteranopia

189.9130, -12.3360, 14.3200



## Tritanopia

189.8960, 3.5290, 7.6330

# Trichromacy



## Original Color

191.8760, -1.7460, 20.6380

## Protanomaly

190.0700, -14.2160, 15.3520

## Deuteranomaly

190.5330, -8.2100, 16.6380

## Tritanomaly

190.5740, 1.7400, 12.5240

# Monochromacy



## Original Color

191.8760, -1.7460, 20.6380

## Achromatopsia

192.0000, -0.0000, 0.0000

## Achromatomaly

191.7430, -0.4140, 7.5060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 191.8760, -1.7460, 20.6380 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(203, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 229)  
}
```

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(203, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 229) }
```

## Border

The CSS property to change the border of an element to YIQ 191.8760, -1.7460, 20.6380 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(203, 179, 229) }
```



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

```
.border{ border-color:rgb(203, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 179, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 179, 229); box-shadow:4px 4px 4px 4px rgb(203, 179, 229) }
```

# Background

The CSS property to change the background color of an element to YIQ 191.8760, -1.7460, 20.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 179, 229) }
```

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

```
.background{ background-color: rgb(203,  
179, 229) }
```

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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