

# Converting Colors

YIQ(205.6880, -7.7490, 2.7710)

Have a look what the booklet for  
YIQ(205.6880, -7.7490, 2.7710)  
contains.

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# Color

**YIQ(205.6880, -7.7490,  
2.7710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8CEDB
RGB	200, 206, 219
RGB Percent	78%, 81%, 86%
CMY	0.2157, 0.1921, 0.1412
CMYK	0.09, 0.06, 0.00, 0.14
HSL	221°, 21%, 82%
HSV	221°, 9%, 86%
XYZ	58.6757, 61.5369, 75.7959
YIQ	205.6880, -7.7490, 2.7710

# Conversions

## Conversions Part 2

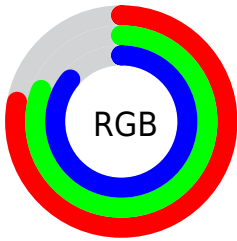
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 205, 219
Decimal	13160155
CIE Lab	82.67, 0.45, -7.14
CIE LCh	83, 7.152, 273.625
Yxy	61.5369, 0.2994, 0.3140
Android (android.graphics.Color)	4291350235 (0xFFC8CEDB)
YUV	205.6880, 6.5628, -4.9884
Hunter-Lab	78.4455, -3.7649, -2.3756

# Details

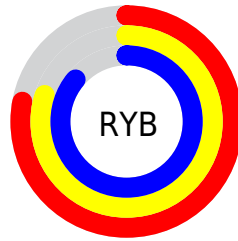
The YIQ color  $205.6880, -7.7490, 2.7710$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $213.3120, 7.7490, -2.7710$ , and the grayscale version is  $206.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $151.5740, -7.4280, 2.4600$  is the 20% darker color. If you saturate the color by 10%, you get  $190.3050, -16.7360, 5.9520$ , and if you desaturate by 10%, it is  $221.0710, 1.2380, -0.4100$ .

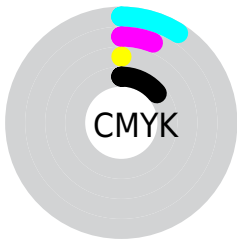
# Distribution



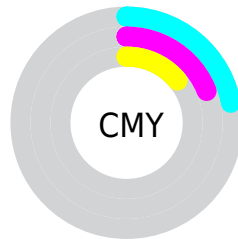
- Red (78%)
- Green (81%)
- Blue (86%)



- Red (78%)
- Yellow (80%)
- Blue (86%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)



- Cyan (22%)
- Magenta (19%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 205.6880, -7.7490, 2.7710 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 205.6880, -7.7490, 2.7710 by changing the saturation by 10% instead.



■ 205.6880, -7.7490,  
2.7710

■ 205.6880, -7.7490,  
2.7710

255.0000, -0.0000,  
-0.0000

■ 178.5740, -7.4280,  
2.4600

■ 151.5740, -7.4280,  
2.4600

■ 125.5740, -7.4280,  
2.4600

■ 100.4600, -7.1070,  
2.1490

■ 76.7590, -6.5110,  
2.3610

■ 53.7590, -6.5110,  
2.3610

■ 32.6450, -6.1900,

2.0500

■ 9.2750, -8.0240,  
2.2480

■ 0.0000, 0.0000,  
0.0000

■ 205.6880, -7.7490,  
2.7710

■ 205.6880, -7.7490,  
2.7710

■ 190.3050,  
-16.7360, 5.9520

■ 221.0710, 1.2380,  
-0.4100

■ 174.9220,  
-25.7230, 9.1330

■ 236.4540, 10.2250,  
-3.5910

■ 159.5390,  
-34.7100, 12.3140

■ 248.5480, 12.6560,  
-9.1040

■ 144.1560,  
-43.6970, 15.4950

■ 250.8960, 11.5560,  
-11.1960

■ 129.0720,  
-52.0880, 18.8880

■ 113.6890,  
-61.0750, 22.0690

■ 98.3060, -70.0620,  
25.2500

■ 82.9230, -79.0490,  
28.4310

■ 67.5400, -88.0360,  
31.6120

# Harmonies

## Analogous

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



204.6550, -12.1500, -0.0700



205.6880, -7.7490, 2.7710



206.6780, -1.7890, 4.8910

# Triad

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



205.6880, -7.7490, 2.7710



207.0400, 11.6910, 2.8830



204.0870, -4.8590, -5.5550

# Complementary

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



205.6880, -7.7490, 2.7710



213.3120, 7.7490, -2.7710

# 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.



204.9090, 1.5140, -5.4140



205.6880, -7.7490, 2.7710



206.1600, 11.2330, 0.1690

# Square

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



205.6880, -7.7490, 2.7710



207.1370, 10.0400, 5.2720



205.8990, 7.4740, -3.2940



203.8630, -10.0400, -5.2720



# Rectangle

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



205.6880, -7.7490, 2.7710



207.2440, 2.4290, 5.5410



205.8990, 7.4740, -3.2940



204.4570, -3.0250, -5.7530

# Sweetspot

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



205.6880, -7.7490, 2.7710



249.6730, -3.3930, 0.9190



212.6350, -9.3980, -5.8940



123.8580, -2.4760, 0.8200



0.0000, 0.0000, 0.0000

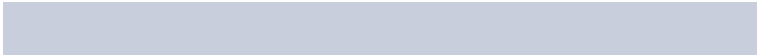


128.0000, -0.0000, -0.0000

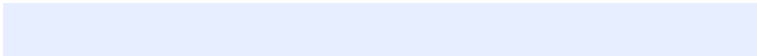


# Same Dimension

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



205.6880, -7.7490, 2.7710



237.5460, -10.2250, 3.5910



203.0630, -4.3110, 6.5450



102.0150, -4.3560, 1.8520



52.0070, -70.6580, 25.0380



14.0490, -18.8910, 6.4610

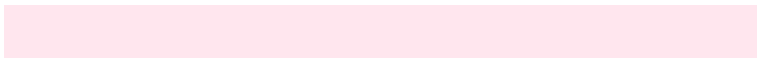


# Inverse Universe

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



206.3650, 9.3980, 5.8940



238.3870, 12.3320, 7.7880



215.9370, 4.3110, -6.5450



102.6310, 5.5930, 3.2650



57.9970, 85.4530, 53.7810

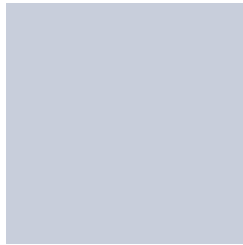


15.4640, 22.6010, 14.4170



# Previews

## White Background



This preview shows how the YIQ color 205.6880, -7.7490, 2.7710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

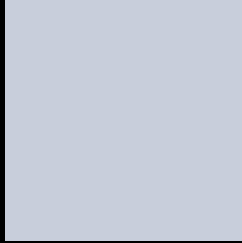
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 205.6880, -7.7490, 2.7710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

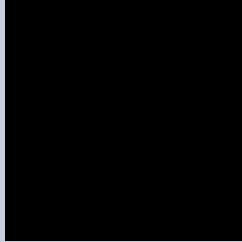
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

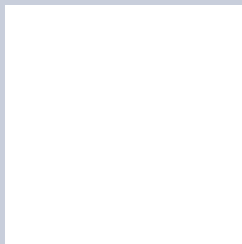
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 205.6880, -7.7490, 2.7710**

## **Background**



This preview shows how black text looks on a background with the YIQ color 205.6880, -7.7490, 2.7710.



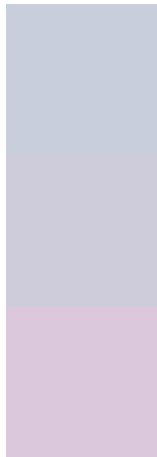
This preview shows how white text looks on a background with the YIQ color 205.6880, -7.7490,

2.7710.

# 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

205.6880, -7.7490, 2.7710

### Protanopia

206.1940, -3.3020, 4.7780

### Deuteranopia

207.9610, 4.9040, 10.2480



## Tritanopia

206.0300, -8.7120, 3.7040

# Trichromacy



## Original Color

205.6880, -7.7490, 2.7710

## Protanomaly

206.1830, -4.7690, 3.8310

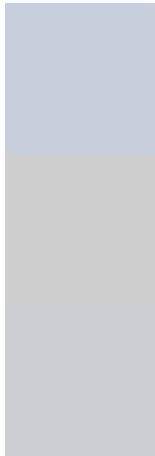
## Deuteranomaly

207.0420, 0.1820, 7.7180

## Tritanomaly

205.9160, -8.3910, 3.3930

# Monochromacy



## Original Color

205.6880, -7.7490, 2.7710

## Achromatopsia

206.0000, -0.0000, 0.0000

## Achromatomaly

205.9720, -2.7970, 1.1310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 205.6880, -7.7490, 2.7710 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(200, 206, 219)` looks like.

```
.text, #text, p{  
    color:rgb(200, 206, 219)  
}
```

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(200, 206, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 206, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 205.6880, -7.7490, 2.7710 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(200, 206, 219) }
```



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

```
.border{ border-color:rgb(200, 206, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 206, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 206, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 206, 219);  
box-shadow:4px 4px 4px 4px rgb(200, 206,  
219) }
```

# Background

The CSS property to change the background color of an element to YIQ 205.6880, -7.7490, 2.7710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 206, 219) }
```

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

```
.background{ background-color: rgb(200,  
206, 219) }
```

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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