

# Converting Colors

YIQ(205.7820, -13.3450,  
16.0870)

Have a look what the booklet for  
YIQ(205.7820, -13.3450, 16.0870)  
contains.

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# Color

**YIQ(205.7820, -13.3450,  
16.0870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBC7F8
RGB	203, 199, 248
RGB Percent	80%, 78%, 97%
CMY	0.2039, 0.2196, 0.0275
CMYK	0.18, 0.20, 0.00, 0.03
HSL	245°, 78%, 88%
HSV	245°, 20%, 97%
XYZ	61.9941, 60.3199, 97.1636
YIQ	205.7820, -13.3450, 16.0870

# Conversions

## Conversions Part 2

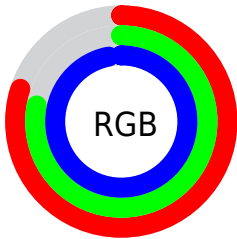
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 199, 248
Decimal	13355000
CIE Lab	82.01, 11.15, -23.56
CIE LCh	82, 26.071, 295.329
Yxy	60.3199, 0.2825, 0.2748
Android (android.graphics.Color)	4291545080 (0xFFCBC7F8)
YUV	205.7820, 20.8135, -2.4398
Hunter-Lab	77.6659, 6.5661, -19.8083

# Details

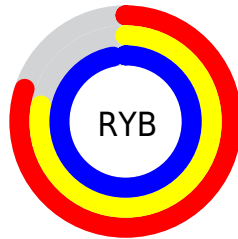
The YIQ color  $205.7820, -13.3450, 16.0870$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $241.2180, 13.3450, -16.0870$ , and the grayscale version is  $206.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $151.1410, -12.9780, 14.9420$  is the 20% darker color. If you saturate the color by 10%, you get  $184.2300, -20.1780, 24.2860$ , and if you desaturate by 10%, it is  $227.3340, -6.5120, 7.8880$ .

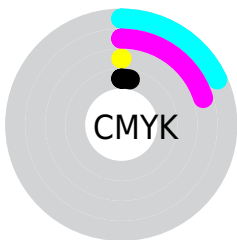
# Distribution



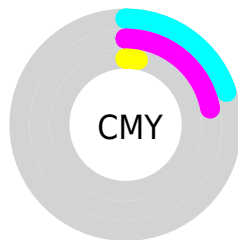
- Red (80%)
- Green (78%)
- Blue (97%)



- Red (80%)
- Yellow (78%)
- Blue (97%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (22%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 205.7820, -13.3450, 16.0870 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 205.7820, -13.3450, 16.0870 by changing the saturation by 10% instead.



■ 205.7820,  
-13.3450, 16.0870

■ 205.7820,  
-13.3450, 16.0870

255.0000, -0.0000,  
-0.0000

■ 178.2550,  
-13.2990, 15.2530

■ 151.1410,  
-12.9780, 14.9420

■ 125.6140,  
-12.9320, 14.1080

■ 100.5000,  
-12.6110, 13.7970

■ 75.9730, -12.5650,  
12.9630

■ 53.1470, -13.1150,  
11.9170

■ 31.2070, -13.3440,

10.5600

■ 6.5710, -11.3730,  
13.3870

■ 2.8670, -6.6950,  
5.6970

■ 205.7820,  
-13.3450, 16.0870

■ 205.7820,  
-13.3450, 16.0870

■ 184.2300,  
-20.1780, 24.2860

■ 227.3340, -6.5120,  
7.8880

■ 162.6780,  
-27.0110, 32.4850

■ 248.8860, 0.3210,  
-0.3110

■ 142.0120,  
-33.5230, 40.3730

■ 254.2020, 2.2470,  
-2.1770

■ 120.4600,  
-40.3560, 48.5720

■ 98.9080, -47.1890,  
56.7710

■ 77.3560, -54.0220,  
64.9700

■ 56.1030, -60.2590,  
73.3810

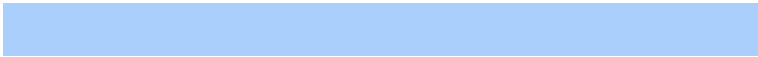
■ 35.1380, -67.3670,  
81.0570

■ 34.2520, -67.6880,  
81.3680

# Harmonies

## Analogous

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



201.0670, -36.4970, 6.1510



205.7820, -13.3450, 16.0870



207.9330, 11.2750, 21.4430

# Triad

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



205.7820, -13.3450, 16.0870



205.3560, 39.9800, 2.3160



194.6050, -36.2170, -20.9610

# Complementary

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



205.7820, -13.3450, 16.0870



241.2180, 13.3450, -16.0870

# 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.



197.5830, -12.7880, -21.5560



205.7820, -13.3450, 16.0870



203.2310, 29.6660, -9.0060

# Square

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



205.7820, -13.3450, 16.0870



207.2780, 40.6200, 12.7480



200.6090, 10.6860, -17.4580



192.9810, -51.7150, -15.4190



# Rectangle

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



205.7820, -13.3450, 16.0870



208.3490, 24.6630, 21.1030



200.6090, 10.6860, -17.4580



195.4980, -28.6060, -21.2300

# Sweetspot

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



205.7820, -13.3450, 16.0870



242.0090, -4.2190, 4.8770



231.5880, -28.3790, -8.8190



120.0260, -2.8890, 2.7990



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.



205.7820, -13.3450, 16.0870



202.4490, -16.6010, 20.0310



212.9580, 0.9590, 21.1750



113.7810, -3.5770, 4.2550



26.0310, -51.7290, 61.9590



8.4490, -16.6010, 20.0310



# Inverse Universe

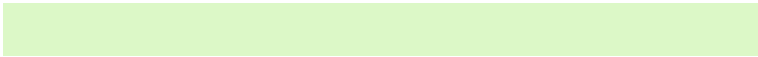
The Inverse Universe completely reimagines the original color for something new.



218.7810, 14.7590, 24.3830



218.6230, 18.3800, 30.3480



234.0420, -0.9590, -21.1750



117.2550, 3.8960, 6.4880



76.2330, 57.1110, 93.8710

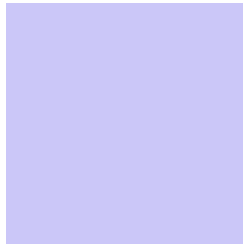


24.6230, 18.3800, 30.3480



# Previews

## White Background



This preview shows how the YIQ color 205.7820, -13.3450, 16.0870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

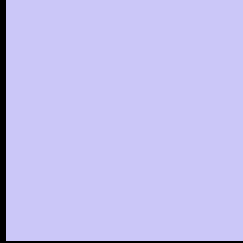
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 205.7820, -13.3450, 16.0870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

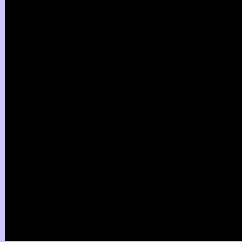
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 205.7820, -13.3450, 16.0870

## Background



This preview shows how black text looks on a background with the YIQ color 205.7820, -13.3450, 16.0870.



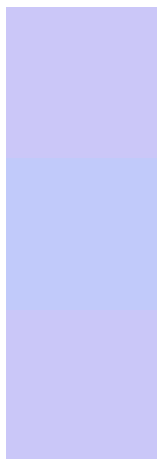
This preview shows how white text looks on a background with the YIQ color 205.7820, -13.3450,



# 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

205.7820, -13.3450, 16.0870

### Protanopia

204.7810, -20.7720, 13.0200

### Deuteranopia

205.4830, -13.9410, 15.8750



## Tritanopia

204.0300, -8.7120, 3.7040

# Trichromacy



## Original Color

205.7820, -13.3450, 16.0870

## Protanomaly

205.2760, -17.7920, 14.0800

## Deuteranomaly

205.4830, -13.9410, 15.8750

## Tritanomaly

204.5940, -10.1800, 8.2840

# Monochromacy



## Original Color

205.7820, -13.3450, 16.0870

## Achromatopsia

206.0000, -0.0000, 0.0000

## Achromatomaly

205.6500, -4.5860, 6.0220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 205.7820, -13.3450, 16.0870 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, 199, 248)` looks like.

```
.text, #text, p{  
    color:rgb(203, 199, 248)  
}
```

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, 199, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 199, 248) }
```

## Border

The CSS property to change the border of an element to YIQ 205.7820, -13.3450, 16.0870 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, 199, 248) }
```



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

```
.border{ border-color:rgb(203, 199, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 199, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 199, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 199, 248);  
box-shadow:4px 4px 4px 4px rgb(203, 199,  
248) }
```

# Background

The CSS property to change the background color of an element to YIQ 205.7820, -13.3450, 16.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 199, 248) }
```

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

```
.background{ background-color: rgb(203,  
199, 248) }
```

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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