

# Converting Colors

YIQ(216.5700, -18.8000,  
10.3200)

Have a look what the booklet for  
YIQ(216.5700, -18.8000, 10.3200)  
contains.

<b>YIQ(216.5700, -18.8000, 10.3200)</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(216.5700, -18.8000,  
10.3200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDD7FF
RGB	205, 215, 255
RGB Percent	80%, 84%, 100%
CMY	0.1961, 0.1568, 0.0001
CMYK	0.20, 0.16, 0.00, 0.00
HSL	228°, 100%, 90%
HSV	228°, 20%, 100%
XYZ	67.5241, 68.8005, 104.3059
YIQ	216.5700, -18.8000, 10.3200

# Conversions

## Conversions Part 2

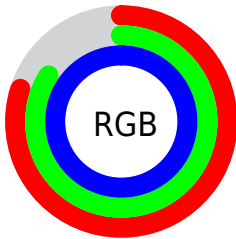
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 213, 255
Decimal	13490175
CIE Lab	86.41, 4.74, -20.60
CIE LCh	86, 21.136, 282.971
Yxy	68.8005, 0.2806, 0.2859
Android (android.graphics.Color)	4291680255 (0xFFCDD7FF)
YUV	216.5700, 18.9460, -10.1469
Hunter-Lab	82.9461, 0.1563, -16.4958

# Details

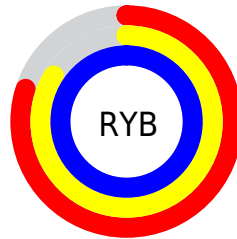
The YIQ color  $216.5700, -18.8000, 10.3200$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $243.4300, 18.8000, -10.3200$ , and the grayscale version is  $216.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $161.3420, -18.1580, 9.6980$  is the 20% darker color. If you saturate the color by 10%, you get  $197.3550, -28.2000, 15.4800$ , and if you desaturate by 10%, it is  $236.0840, -8.8040, 5.3720$ .

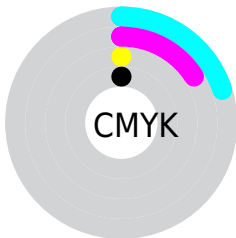
# Distribution



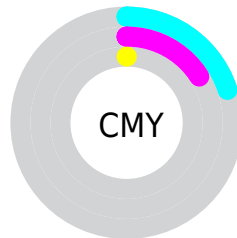
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 216.5700, -18.8000, 10.3200 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 216.5700, -18.8000, 10.3200 by changing the saturation by 10% instead.



■ 216.5700,  
-18.8000, 10.3200

■ 216.5700,  
-18.8000, 10.3200

255.0000, -0.0000,  
-0.0000

■ 188.4560,  
-18.4790, 10.0090

■ 161.3420,  
-18.1580, 9.6980

■ 135.2280,  
-17.8370, 9.3870

■ 109.7010,  
-17.7910, 8.5530

■ 85.5870, -17.4700,  
8.2420

■ 62.0600, -17.4240,  
7.4080

■ 39.2340, -17.9740,

6.3620

■ 17.6960, -19.3950,  
4.5810

■ 3.6650, -8.9420,  
7.8740

■ 216.5700,  
-18.8000, 10.3200

■ 216.5700,  
-18.8000, 10.3200

■ 197.3550,  
-28.2000, 15.4800

■ 236.0840, -8.8040,  
5.3720

■ 177.2540,  
-37.9210, 20.9510

255.0000, -0.0000,  
-0.0000

■ 158.0390,  
-47.3210, 26.1110

■ 137.9380,  
-57.0420, 31.5820

■ 118.7230,  
-66.4420, 36.7420

■ 99.2090, -76.4380,  
41.6900

■ 79.4070, -85.5630,  
47.3730

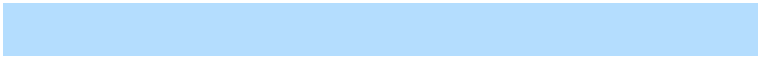
■ 59.8930, -95.5590,  
52.3210

■ 59.0070, -95.8800,  
52.6320

# Harmonies

## Analogous

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



212.5030, -35.0290, 1.5710



216.5700, -18.8000, 10.3200



219.2090, 1.5100, 16.6940

# Triad

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



216.5700, -18.8000, 10.3200



218.2400, 34.6150, 5.9350



209.7270, -21.8210, -17.5410

# Complementary

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



216.5700, -18.8000, 10.3200



243.4300, 18.8000, -10.3200

# 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.



212.0190, -2.1520, -16.0720



216.5700, -18.8000, 10.3200



216.8060, 29.6650, -3.4790

# Square

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



216.5700, -18.8000, 10.3200



218.5310, 29.6620, 13.1020



214.8210, 16.1410, -11.6910



208.7070, -36.2640, -14.6000



# Rectangle

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



216.5700, -18.8000, 10.3200



220.0810, 13.6140, 17.5980



214.8210, 16.1410, -11.6910



210.4350, -15.1270, -17.7110

# Sweetspot

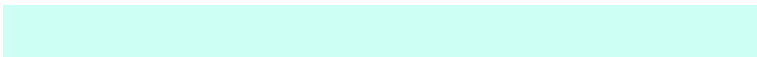
The Sweet Spot groups the original color and five complimentary colors.



216.5700, -18.8000, 10.3200



243.4710, -5.6400, 3.0960



238.7960, -26.2690, -14.0210



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.



216.5700, -18.8000, 10.3200



207.9980, -22.8810, 12.6950



214.8860, -7.7060, 18.5180



117.6560, -4.7230, 2.9970



44.0800, -71.7610, 39.5270



14.9270, -24.1190, 13.1050



# Inverse Universe

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



221.0900, 26.5900, 13.7100



213.6070, 32.5040, 16.6640



245.1140, 7.7060, -18.5180



119.1150, 7.1060, 3.3780



61.4410, 101.6380, 52.3100

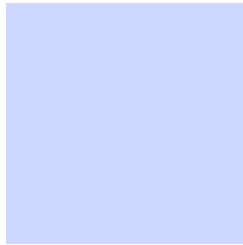


20.6180, 33.9710, 17.6110



# Previews

## White Background



This preview shows how the YIQ color 216.5700, -18.8000, 10.3200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

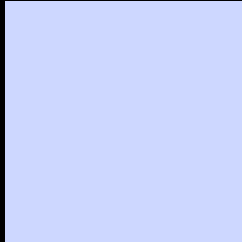
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 216.5700, -18.8000, 10.3200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

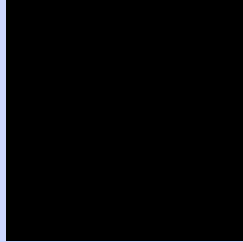
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 216.5700, -18.8000, 10.3200

## Background



This preview shows how black text looks on a background with the YIQ color 216.5700, -18.8000, 10.3200.



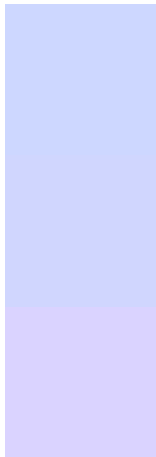
This preview shows how white text looks on a background with the YIQ color 216.5700, -18.8000,



# 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

216.5700, -18.8000, 10.3200

### Protanopia

216.7660, -16.4160, 11.1680

### Deuteranopia

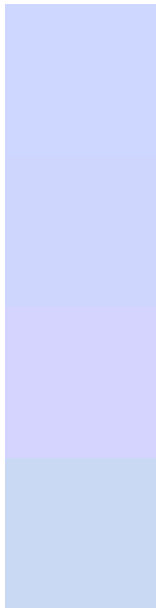
218.1090, -9.9520, 15.1680



## Tritanopia

214.9690, -15.9100, 1.9940

# Trichromacy



## Original Color

216.5700, -18.8000, 10.3200

## Protanomaly

216.4670, -17.0120, 10.9560

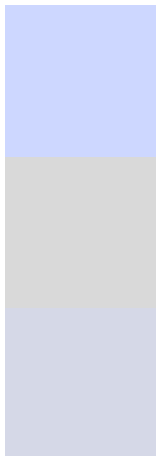
## Deuteranomaly

217.2010, -13.2070, 13.5850

## Tritanomaly

215.4790, -17.2860, 4.9060

# Monochromacy



## Original Color

216.5700, -18.8000, 10.3200

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

216.8130, -6.6030, 4.0290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 216.5700, -18.8000, 10.3200 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(205, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 215, 255)  
}
```

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(205, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 215, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 216.5700, -18.8000, 10.3200 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".

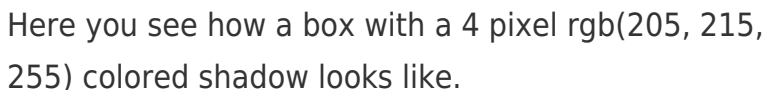
```
.border, #border, table{ border:4px solid rgb(205, 215, 255) }
```



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

```
.border{ border-color:rgb(205, 215, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 215,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 216.5700, -18.8000, 10.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 215, 255) }
```

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

```
.background{ background-color: rgb(205,  
215, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor