

# Converting Colors

YIQ(201.2750, -16.0510,  
21.0770)

Have a look what the booklet for  
YIQ(201.2750, -16.0510, 21.0770)  
contains.

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# Color

**YIQ(201.2750, -16.0510,  
21.0770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C0FF
RGB	199, 192, 255
RGB Percent	78%, 75%, 100%
CMY	0.2195, 0.2471, 0.0001
CMYK	0.22, 0.25, 0.00, 0.00
HSL	247°, 100%, 88%
HSV	247°, 25%, 100%
XYZ	60.4514, 57.0603, 102.4111
YIQ	201.2750, -16.0510, 21.0770

# Conversions

## Conversions Part 2

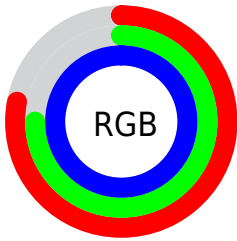
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 192, 255
Decimal	13091071
CIE <sub>Lab</sub>	80.21, 15.28, -30.07
CIE <sub>LCh</sub>	80, 33.729, 296.933
Yxy	57.0603, 0.2749, 0.2595
Android (android.graphics.Color)	4291281151 (0xFFC7C0FF)
YUV	201.2750, 26.4864, -1.9952
Hunter-Lab	75.5382, 10.6572, -27.5058

# Details

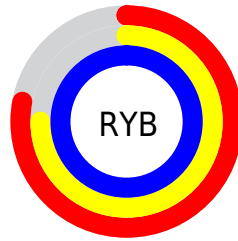
The YIQ color  $201.2750, -16.0510, 21.0770$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $245.7250, 16.0510, -21.0770$ , and the grayscale version is  $201.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $250.8910, 1.9250, 3.6610$ , and  $147.2210, -15.9590, 19.4090$  is the 20% darker color. If you saturate the color by 10%, you get  $179.7230, -22.8840, 29.2760$ , and if you desaturate by 10%, it is  $222.8270, -9.2180, 12.8780$ .

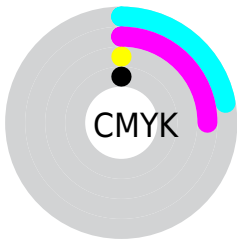
# Distribution



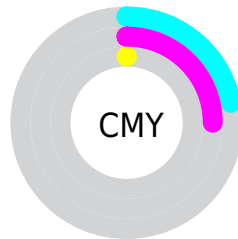
- Red (78%)
- Green (75%)
- Blue (100%)



- Red (78%)
- Yellow (75%)
- Blue (100%)



- Cyan (22%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 201.2750, -16.0510, 21.0770 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 201.2750, -16.0510, 21.0770 by changing the saturation by 10% instead.



■ 201.2750,  
-16.0510, 21.0770

■ 201.2750,  
-16.0510, 21.0770

■ 255.0000, -0.0000,  
-0.0000

■ 173.7480,  
-16.0050, 20.2430

■ 250.8910, 1.9250,  
3.6610

■ 147.2210,  
-15.9590, 19.4090

■ 121.1070,  
-15.6380, 19.0980

■ 96.1670, -15.8670,  
17.7410

■ 71.6400, -15.8210,  
16.9070

■ 48.4010, -16.6460,  
15.3380

■ 26.1510, -18.9380,

12.8220

■ 5.3580, -15.0870,  
14.6170

■ 3.4370, -8.3000,  
7.2520

■ 201.2750,  
-16.0510, 21.0770

■ 201.2750,  
-16.0510, 21.0770

■ 179.7230,  
-22.8840, 29.2760

■ 222.8270, -9.2180,  
12.8780

■ 157.8830,  
-28.8460, 38.2100

■ 244.6670, -3.2560,  
3.9440

■ 136.3310,  
-35.6790, 46.4090

255.0000, -0.0000,  
-0.0000

■ 114.1920,  
-42.2370, 55.1310

■ 92.9390, -48.4740,  
63.5420

■ 70.8000, -55.0320,  
72.2640

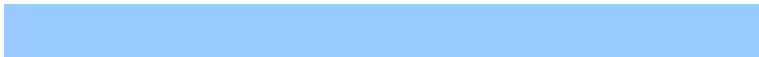
■ 49.2480, -61.8650,  
80.4630

■ 37.4420, -65.1670,  
85.2410

# Harmonies

## Analogous

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



193.9780, -46.4920, 5.5720



201.2750, -16.0510, 21.0770



204.0740, 15.4920, 27.6200

# Triad

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



201.2750, -16.0510, 21.0770



199.8040, 50.3420, 1.7500



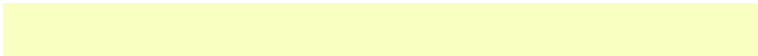
184.7880, -50.1540, -27.1940

# Complementary

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



201.2750, -16.0510, 21.0770



245.7250, 16.0510, -21.0770

# 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.



190.0720, -18.8390, -27.5350



201.2750, -16.0510, 21.0770



197.5320, 35.9480, -12.7240

# Square

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



201.2750, -16.0510, 21.0770



199.7520, 48.0930, 14.9810



194.2190, 11.6040, -23.0840



181.8580, -73.5380, -21.9060



# Rectangle

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



201.2750, -16.0510, 21.0770



203.6430, 32.8230, 27.4070



194.2190, 11.6040, -23.0840



186.3500, -40.1130, -27.4490

# Sweetspot

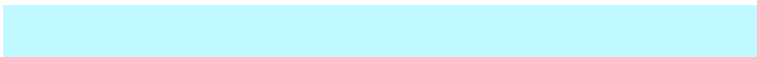
The Sweet Spot groups the original color and five complimentary colors.



201.2750, -16.0510, 21.0770



239.6500, -4.5860, 6.0220



232.6410, -35.8980, -10.2180



118.5530, -2.9350, 3.6330



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.



201.2750, -16.0510, 21.0770



190.0560, -19.6280, 25.3320



210.5440, 2.4250, 27.6490



116.7810, -3.5770, 4.2550



28.0530, -48.7950, 63.8530



9.3890, -16.3720, 21.3880



# Inverse Universe

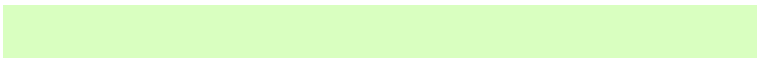
The Inverse Universe completely reimagines the original color for something new.



217.2210, 19.5720, 30.7720



209.3620, 23.7890, 36.9490



236.4560, -2.4250, -27.6490



120.1410, 4.2170, 6.1770



76.4890, 59.2660, 93.3620

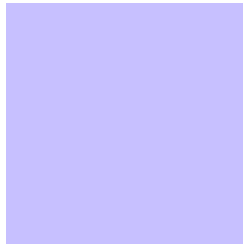


25.6340, 19.8470, 31.2950



# Previews

## White Background



This preview shows how the YIQ color 201.2750, -16.0510, 21.0770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

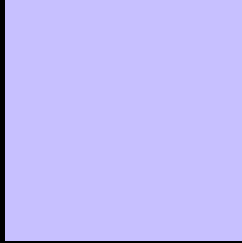
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 201.2750, -16.0510, 21.0770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

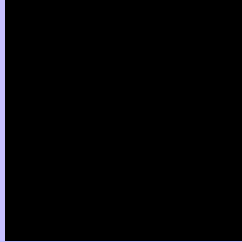
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 201.2750, -16.0510, 21.0770

## Background



This preview shows how black text looks on a background with the YIQ color 201.2750, -16.0510, 21.0770.



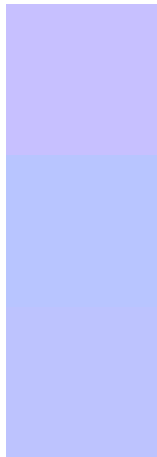
This preview shows how white text looks on a background with the YIQ color 201.2750, -16.0510,

21.0770.

# 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

201.2750, -16.0510, 21.0770

### Protanopia

199.7250, -26.3660, 15.2820

### Deuteranopia

199.9320, -22.5150, 17.0770



## Tritanopia

198.7310, -9.3080, 3.4920

# Trichromacy



## Original Color

201.2750, -16.0510, 21.0770

## Protanomaly

200.0460, -22.8360, 17.3880

## Deuteranomaly

200.5410, -19.8560, 18.4480

## Tritanomaly

199.5770, -11.5100, 10.3620

# Monochromacy



## Original Color

201.2750, -16.0510, 21.0770

## Achromatopsia

201.0000, -0.0000, 0.0000

## Achromatomaly

201.2200, -6.1910, 7.5770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 201.2750, -16.0510, 21.0770 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(199, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 192, 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(199, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 192, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 201.2750, -16.0510, 21.0770 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(199, 192, 255) }
```



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

```
.border{ border-color:rgb(199, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 192,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 201.2750, -16.0510, 21.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 192, 255) }
```

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

```
.background{ background-color: rgb(199,  
192, 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](#).

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