

# Converting Colors

YIQ(215.8540, -4.6800, 18.7440)

Have a look what the booklet for  
YIQ(215.8540, -4.6800, 18.7440)  
contains.

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# Color

**YIQ(215.8540, -4.6800,  
18.7440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFCDFD
RGB	223, 205, 253
RGB Percent	87%, 80%, 99%
CMY	0.1254, 0.1961, 0.0079
CMYK	0.12, 0.19, 0.00, 0.01
HSL	263°, 92%, 90%
HSV	263°, 19%, 99%
XYZ	69.9940, 66.4409, 102.0519
YIQ	215.8540, -4.6800, 18.7440

# Conversions

## Conversions Part 2

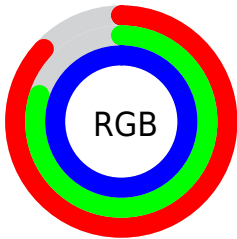
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 205, 253
Decimal	14667261
CIE Lab	85.22, 15.22, -21.21
CIE LCh	85, 26.107, 305.672
Yxy	66.4409, 0.2935, 0.2786
Android (android.graphics.Color)	4292857341 (0xFFDFCDFD)
YUV	215.8540, 18.3130, 6.2670
Hunter-Lab	81.5113, 10.6337, -17.1730

# Details

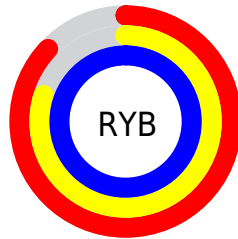
The YIQ color  $215.8540, -4.6800, 18.7440$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $242.1460, 4.6800, -18.7440$ , and the grayscale version is  $216.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $161.2130, -4.3130, 17.5990$  is the 20% darker color. If you saturate the color by 10%, you get  $196.3950, -7.3410, 28.4270$ , and if you desaturate by 10%, it is  $235.3130, -2.0190, 9.0610$ .

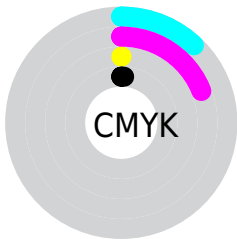
# Distribution



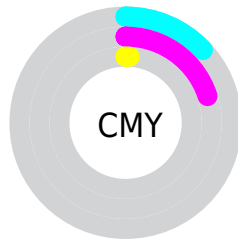
- Red (87%)
- Green (80%)
- Blue (99%)



- Red (87%)
- Yellow (80%)
- Blue (99%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (20%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 215.8540, -4.6800, 18.7440 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 215.8540, -4.6800, 18.7440 by changing the saturation by 10% instead.



■ 215.8540, -4.6800,  
18.7440

■ 215.8540, -4.6800,  
18.7440

255.0000, -0.0000,  
-0.0000

■ 187.7400, -4.3590,  
18.4330

■ 161.2130, -4.3130,  
17.5990

■ 134.8000, -4.5880,  
17.0760

■ 109.2730, -4.5420,  
16.2420

■ 84.8600, -4.8170,  
15.7190

■ 61.3330, -4.7710,  
14.8850

■ 39.3930, -5.0000,

13.5280

■ 17.6920, -4.4040,  
13.7400

■ 3.4370, -8.3000,  
7.2520

■ 215.8540, -4.6800,  
18.7440

■ 215.8540, -4.6800,  
18.7440

■ 196.3950, -7.3410,  
28.4270

■ 235.3130, -2.0190,  
9.0610

■ 176.3490, -9.7270,  
38.6330

254.7720, 0.6420,  
-0.6220

■ 157.1890,  
-11.7920, 48.5280

■ 137.7300,  
-14.4530, 58.2110

■ 118.2710,  
-17.1140, 67.8940

■ 98.2250, -19.5000,  
78.1000

■ 78.7660, -22.1610,  
87.7830

■ 59.6060, -24.2260,  
97.6780

■ 57.2470, -24.5930,  
98.8230

# Harmonies

## Analogous

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



211.4980, -27.4650, 7.6630



215.8540, -4.6800, 18.7440



217.3530, 18.8400, 22.0080

# Triad

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



215.8540, -4.6800, 18.7440



214.0520, 37.7800, -1.8680



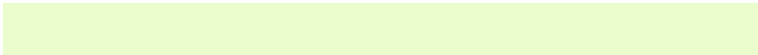
202.8370, -42.6820, -19.4340

# Complementary

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



215.8540, -4.6800, 18.7440



242.1460, 4.6800, -18.7440

# 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.



205.3910, -20.9950, -21.4990



215.8540, -4.6800, 18.7440



211.6000, 24.0730, -12.2710

# Square

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



215.8540, -4.6800, 18.7440



213.5610, 38.1450, 8.0410



208.2490, 2.8920, -19.3800



203.1920, -53.6870, -12.7190



# Rectangle

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



215.8540, -4.6800, 18.7440



216.0350, 28.4230, 19.0390



208.2490, 2.8920, -19.3800



203.6050, -36.2170, -20.9610

# Sweetspot

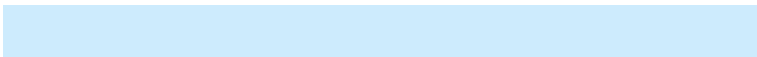
The Sweet Spot groups the original color and five complimentary colors.



215.8540, -4.6800, 18.7440



243.2050, -1.8350, 5.7250



228.0820, -23.6580, -0.7620



120.9230, -1.1010, 3.4350



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.



215.8540, -4.6800, 18.7440



209.3040, -5.8270, 23.0130



223.0300, 9.6240, 23.8320



117.9770, -1.1930, 5.1030



43.3020, -18.3990, 74.6650



14.4720, -6.2400, 24.9920



# Inverse Universe

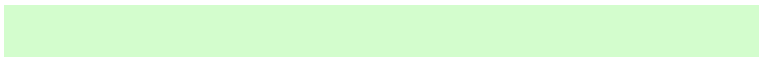
The Inverse Universe completely reimagines the original color for something new.



222.7720, 18.9780, 19.5060



217.8590, 23.2870, 24.0150



234.9700, -9.6240, -23.8320



119.7990, 5.1800, 5.2440



70.6750, 75.6370, 77.5010



23.6960, 25.3040, 26.0080



# Previews

## White Background



This preview shows how the YIQ color 215.8540, -4.6800, 18.7440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

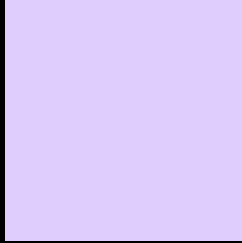
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 215.8540, -4.6800, 18.7440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

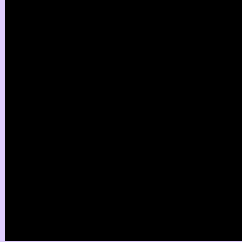
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 215.8540, -4.6800, 18.7440

## Background



This preview shows how black text looks on a background with the YIQ color 215.8540, -4.6800, 18.7440.



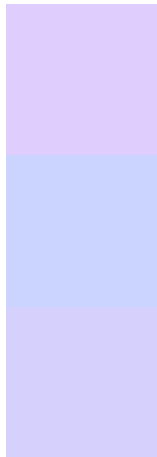
This preview shows how white text looks on a background with the YIQ color 215.8540, -4.6800,



# 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

215.8540, -4.6800, 18.7440

### Protanopia

213.6240, -18.8920, 11.9880

### Deuteranopia

214.8100, -10.5480, 14.9560



## Tritanopia

214.5150, 0.2280, 6.8840

# Trichromacy



## Original Color

215.8540, -4.6800, 18.7440

## Protanomaly

214.4290, -13.8490, 14.2070

## Deuteranomaly

215.1200, -8.4850, 16.1150

## Tritanomaly

214.7800, -1.8360, 11.2520

# Monochromacy



## Original Color

215.8540, -4.6800, 18.7440

## Achromatopsia

216.0000, -0.0000, 0.0000

## Achromatomaly

216.0310, -1.2850, 6.7710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 215.8540, -4.6800, 18.7440 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(223, 205, 253)` looks like.

```
.text, #text, p{  
    color:rgb(223, 205, 253)  
}
```

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(223, 205, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 205, 253) }
```

## Border

The CSS property to change the border of an element to YIQ 215.8540, -4.6800, 18.7440 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(223, 205, 253) }
```



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

```
.border{ border-color:rgb(223, 205, 253) }
```

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

Here you see how a box with a 4 pixel rgb(223, 205, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 205, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 205, 253);  
box-shadow:4px 4px 4px 4px rgb(223, 205,  
253) }
```

# Background

The CSS property to change the background color of an element to YIQ 215.8540, -4.6800, 18.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 205, 253) }
```

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

```
.background{ background-color: rgb(223,  
205, 253) }
```

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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