

# Converting Colors

YIQ(162.9310, 15.8980, 64.3300)

Have a look what the booklet for  
YIQ(162.9310, 15.8980, 64.3300)  
contains.

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# Color

**YIQ(162.9310, 15.8980,  
64.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA75FF
RGB	218, 117, 255
RGB Percent	85%, 46%, 100%
CMY	0.1448, 0.5413, 0.0000
CMYK	0.14, 0.54, 0.00, 0.00
HSL	284°, 100%, 73%
HSV	284°, 54%, 100%
XYZ	53.3429, 34.8503, 98.5136
YIQ	162.9310, 15.8980, 64.3300

# Conversions

## Conversions Part 2

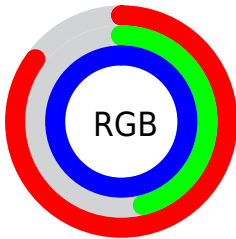
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 117, 255
Decimal	14317055
CIE Lab	65.63, 60.57, -52.69
CIE LCh	66, 80.281, 318.977
Yxy	34.8503, 0.2857, 0.1867
Android (android.graphics.Color)	4292507135 (0xFFDA75FF)
YUV	162.9310, 45.3900, 48.2955
Hunter-Lab	59.0342, 57.9818, -57.6167

# Details

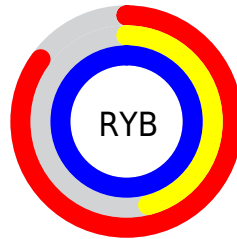
The YIQ color **162.9310, 15.8980, 64.3300** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **209.0690, -15.8980, -64.3300**, and the grayscale version is **162.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **206.8660, 22.5500, 42.8860**, and **106.8060, 14.7520, 63.0720** is the 20% darker color. If you saturate the color by 10%, you get **145.5760, 18.8760, 76.4440**, and if you desaturate by 10%, it is **179.6990, 13.1950, 52.7390**.

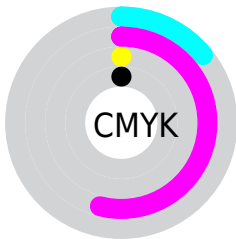
# Distribution



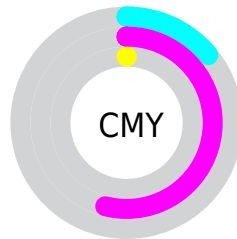
- Red (85%)
- Green (46%)
- Blue (100%)



- Red (85%)
- Yellow (46%)
- Blue (100%)



- Cyan (14%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (54%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 162.9310, 15.8980, 64.3300 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 162.9310, 15.8980, 64.3300 by changing the saturation by 10% instead.



162.9310, 15.8980,  
64.3300

162.9310, 15.8980,  
64.3300

255.0000, -0.0000,  
-0.0000

135.1050, 15.3480,  
63.2840

206.2790, 22.8250,  
43.4090

106.8060, 14.7520,  
63.0720

223.3020, 14.8500,  
28.2420

77.6320, 15.3020,  
64.1180

240.3250, 6.8750,  
13.0750

47.3980, 16.0810,  
66.5210

36.3610, 8.3350,  
52.7110

25.0250, -0.0070,  
38.6890

13.9170, -8.9910,

25.2890

■ 6.6630, -14.6280,  
11.8040

■ 3.0950, -7.3370,  
6.3190

■ 162.9310, 15.8980,  
64.3300

■ 162.9310, 15.8980,  
64.3300

■ 145.5760, 18.8760,  
76.4440

■ 179.6990, 13.1950,  
52.7390

■ 128.8080, 21.5790,  
88.0350

■ 197.0540, 10.2170,  
40.6250

■ 111.7520, 25.1530,  
100.3610

■ 213.8220, 7.5140,  
29.0340

■ 94.9840, 27.8560,  
111.9520

■ 230.8780, 3.9400,  
16.7080

■ 84.9830, 29.5970,  
118.9490

■ 247.6460, 1.2370,  
5.1170

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



145.5030, -69.4190, 19.1010



162.9310, 15.8980, 64.3300



146.5120, 68.4860, 69.4300

# Triad

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



162.9310, 15.8980, 64.3300



149.9760, 86.5230, -31.7250



135.9600, -118.2840, -36.9720

# Complementary

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



162.9310, 15.8980, 64.3300



209.0690, -15.8980, -64.3300

# 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.



126.2360, -93.6590, -59.2510



162.9310, 15.8980, 64.3300



144.0420, 41.4580, -57.5340

# Square

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



162.9310, 15.8980, 64.3300



148.7490, 104.9010, 9.6770



127.4450, -40.5640, -68.8520



139.4260, -133.5550, -19.0190



# Rectangle

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



162.9310, 15.8980, 64.3300



137.5180, 85.5440, 57.6400



127.4450, -40.5640, -68.8520



133.2240, -110.5800, -44.4360

# Sweetspot

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



162.9310, 15.8980, 64.3300



227.6440, 4.7190, 19.1110



155.6250, -55.0230, 22.5210



111.2320, 2.7030, 11.5910



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.



162.9310, 15.8980, 64.3300



144.4020, 19.4260, 77.4900



170.5740, 47.5800, 62.8440



119.1730, 1.1910, 5.9510



63.6340, 22.1290, 89.0810



21.3490, 7.4680, 29.8680



# Inverse Universe

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



162.4800, 70.3710, 40.7630



143.7640, 84.4910, 49.1870



201.4260, -47.5800, -62.8440



119.2290, 6.7850, 3.6890



62.9230, 97.4650, 56.3530

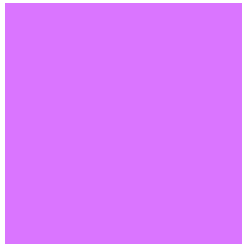


21.0740, 32.6870, 18.8550



# Previews

## White Background



This preview shows how the YIQ color 162.9310, 15.8980, 64.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

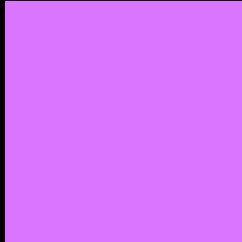
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 162.9310, 15.8980, 64.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

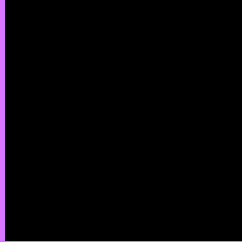
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 162.9310, 15.8980, 64.3300

## Background



This preview shows how black text looks on a background with the YIQ color 162.9310, 15.8980, 64.3300.



This preview shows how white text looks on a background with the YIQ color 162.9310, 15.8980,

64.3300.

# 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

162.9310, 15.8980, 64.3300

### Protanopia

157.1090, -53.5100, 22.6340

### Deuteranopia

155.8760, -54.4720, 18.0400



## Tritanopia

162.1940, 32.2290, 16.1410

# Trichromacy



## Original Color

162.9310, 15.8980, 64.3300



## Protanomaly

159.0680, -27.9290, 38.1110



## Deuteranomaly

158.4760, -29.2580, 34.6620



## Tritanomaly

162.6240, 25.8070, 33.4150

# Monochromacy



## Original Color

162.9310, 15.8980, 64.3300



## Achromatopsia

163.0000, -0.0000, -0.0000



## Achromatomaly

162.7630, 6.0020, 23.3940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 162.9310, 15.8980, 64.3300 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(218, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 117, 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(218, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 117, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 162.9310, 15.8980, 64.3300 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(218, 117, 255) }
```



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

```
.border{ border-color:rgb(218, 117, 255) }
```

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

Here you see how a box with a 4 pixel rgb(218, 117, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 117,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 162.9310, 15.8980, 64.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 117, 255) }
```

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

```
.background{ background-color: rgb(218,  
117, 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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