

# Converting Colors

YIQ(167.9600, 16.9540, 56.2020)

Have a look what the booklet for  
YIQ(167.9600, 16.9540, 56.2020)  
contains.

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# Color

**YIQ(167.9600, 16.9540,  
56.2020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB7FF5
RGB	219, 127, 245
RGB Percent	86%, 50%, 96%
CMY	0.1409, 0.5021, 0.0392
CMYK	0.11, 0.48, 0.00, 0.04
HSL	287°, 86%, 73%
HSV	287°, 48%, 96%
XYZ	53.3008, 36.8327, 90.6814
YIQ	167.9600, 16.9540, 56.2020

# Conversions

## Conversions Part 2

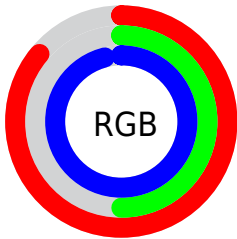
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 127, 245
Decimal	14385141
CIE Lab	67.15, 53.91, -44.81
CIE LCh	67, 70.098, 320.269
Yxy	36.8327, 0.2948, 0.2037
Android (android.graphics.Color)	4292575221 (0xFFDB7FF5)
YUV	167.9600, 37.9807, 44.7621
Hunter-Lab	60.6899, 50.5598, -46.1068

# Details

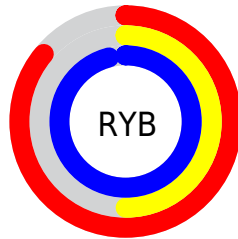
The YIQ color **167.9600, 16.9540, 56.2020** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **204.0400, -16.9540, -56.2020**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.1490, 20.0750, 38.1790**, and **113.3080, 15.8540, 54.1100** is the 20% darker color. If you saturate the color by 10%, you get **151.7900, 20.8490, 68.2170**, and if you desaturate by 10%, it is **183.5430, 13.3340, 44.7100**.

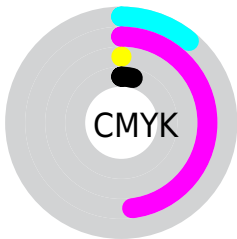
# Distribution



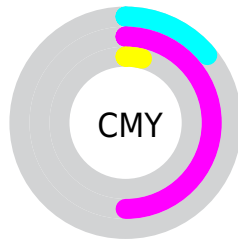
- Red (86%)
- Green (50%)
- Blue (96%)



- Red (86%)
- Yellow (50%)
- Blue (96%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (4%)



- Cyan (14%)
- Magenta (50%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 167.9600, 16.9540, 56.2020 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 167.9600, 16.9540, 56.2020 by changing the saturation by 10% instead.



167.9600, 16.9540,  
56.2020

167.9600, 16.9540,  
56.2020

255.0000, -0.0000,  
-0.0000

140.1340, 16.4040,  
55.1560

212.1490, 20.0750,  
38.1790

113.3080, 15.8540,  
54.1100

229.1720, 12.1000,  
23.0120

85.4220, 15.5330,  
54.4210

246.1950, 4.1250,  
7.8450

55.4870, 16.9080,  
57.0360

36.2320, 13.0120,  
50.5480

25.3090, 4.9450,  
37.0490

15.5110, -1.9760,

24.8080

■ 5.3920, -12.4270,  
10.4610

■ 2.0690, -4.4480,  
3.5200

■ 167.9600, 16.9540,  
56.2020

■ 167.9600, 16.9540,  
56.2020

■ 151.7900, 20.8490,  
68.2170

■ 183.5430, 13.3340,  
44.7100

■ 135.9080, 23.8730,  
79.4970

■ 200.0120, 10.0350,  
32.9070

■ 119.7380, 27.7680,  
91.5120

■ 215.5950, 6.4150,  
21.4150

■ 104.1550, 31.3880,  
103.0040

■ 232.0640, 3.1160,  
9.6120

■ 87.6860, 34.6870,  
114.8070

■ 247.6470, -0.5040,  
-1.8800

■ 85.0390, 35.1910,  
116.6870

■ 252.6640, 0.8260,  
-3.9580

■ 253.8600, 3.2100,  
-3.1100

# Harmonies

## Analogous

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



156.5330, -51.7680, 24.1040



167.9600, 16.9540, 56.2020



158.0240, 63.6280, 58.3480

# Triad

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



167.9600, 16.9540, 56.2020



155.0230, 79.1410, -30.0990



136.6610, -118.8800, -37.1840

# Complementary

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



167.9600, 16.9540, 56.2020



204.0400, -16.9540, -56.2020

# 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.



128.6640, -97.7400, -56.8760



167.9600, 16.9540, 56.2020



150.1050, 37.1470, -50.9890

# Square

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



167.9600, 16.9540, 56.2020



158.4320, 95.5480, 8.4760



139.4880, -32.9550, -58.0670



140.0130, -133.8300, -19.5420



# Rectangle

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



167.9600, 16.9540, 56.2020



151.3610, 78.2560, 46.5440



139.4880, -32.9550, -58.0670



134.2670, -112.1390, -43.7150

# Sweetspot

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



167.9600, 16.9540, 56.2020



231.4760, 5.1320, 17.1320



156.8880, -45.5780, 22.0540



113.5910, 3.0700, 10.4460



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.



167.9600, 16.9540, 56.2020



158.5560, 21.6280, 70.6200



172.2000, 42.4010, 52.0730



114.3580, 2.1080, 5.8520



64.5590, 26.7140, 88.5860



20.4800, 8.4770, 28.1010



# Inverse Universe

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



165.2460, 61.9820, 33.1020



155.0140, 77.6150, 41.6390



199.8000, -42.4010, -52.0730



113.9300, 6.1890, 3.4770



60.2880, 97.6950, 52.1830

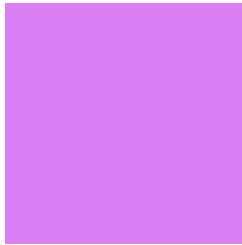


19.1230, 30.9910, 16.5510



# Previews

## White Background



This preview shows how the YIQ color 167.9600, 16.9540, 56.2020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

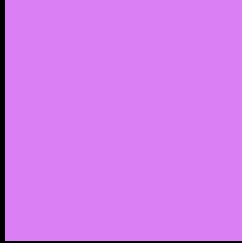
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 167.9600, 16.9540, 56.2020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

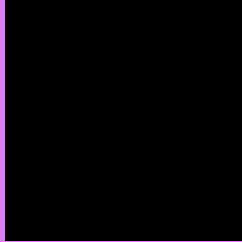
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 167.9600, 16.9540, 56.2020

## Background



This preview shows how black text looks on a background with the YIQ color 167.9600, 16.9540, 56.2020.



This preview shows how white text looks on a background with the YIQ color 167.9600, 16.9540,



# 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

167.9600, 16.9540, 56.2020

### Protanopia

161.8490, -49.8420, 22.2380

### Deuteranopia

161.9930, -41.6800, 17.4880



## Tritanopia

166.3080, 31.9080, 16.4520

# Trichromacy



## Original Color

167.9600, 16.9540, 56.2020



## Protanomaly

164.2160, -25.5900, 34.2660



## Deuteranomaly

163.9730, -20.5920, 31.7920



## Tritanomaly

166.9290, 26.2660, 30.6020

# Monochromacy



## Original Color

167.9600, 16.9540, 56.2020



## Achromatopsia

168.0000, -0.0000, -0.0000



## Achromatomaly

168.0680, 6.4610, 20.5810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 167.9600, 16.9540, 56.2020 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(219, 127, 245)` looks like.

```
.text, #text, p{  
    color:rgb(219, 127, 245)  
}
```

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(219, 127, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 127, 245) }
```

## Border

The CSS property to change the border of an element to YIQ 167.9600, 16.9540, 56.2020 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(219, 127, 245) }
```



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

```
.border{ border-color:rgb(219, 127, 245) }
```

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

Here you see how a box with a 4 pixel rgb(219, 127, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 127, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 127, 245);  
box-shadow:4px 4px 4px 4px rgb(219, 127,  
245) }
```

# Background

The CSS property to change the background color of an element to YIQ 167.9600, 16.9540, 56.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 127, 245) }
```

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

```
.background{ background-color: rgb(219,  
127, 245) }
```

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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