

# Converting Colors

YIQ(149.5190, 13.8820, 56.8100)

Have a look what the booklet for  
YIQ(149.5190, 13.8820, 56.8100)  
contains.

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# Color

**YIQ(149.5190, 13.8820,  
56.8100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C66DE7
RGB	198, 109, 231
RGB Percent	78%, 43%, 91%
CMY	0.2232, 0.5727, 0.0942
CMYK	0.14, 0.53, 0.00, 0.09
HSL	284°, 72%, 67%
HSV	284°, 53%, 91%
XYZ	43.1951, 28.7141, 78.8596
YIQ	149.5190, 13.8820, 56.8100

# Conversions

## Conversions Part 2

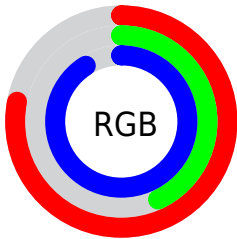
Format	Color
R <sub>YB</sub>	198, 109, 231
Decimal	13004263
CIE Lab	60.53, 54.55, -47.66
CIE LCh	61, 72.442, 318.856
Yxy	28.7141, 0.2865, 0.1905
Android (android.graphics.Color)	4291194343 (0xFFC66DE7)
YUV	149.5190, 40.1701, 42.5178
Hunter-Lab	53.5855, 50.1137, -49.7448

# Details

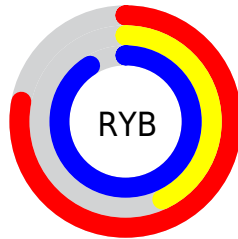
The YIQ color **149.5190, 13.8820, 56.8100** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **190.4810, -13.8820, -56.8100**, and the grayscale version is **149.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **200.9960, 25.3000, 48.1160**, and **94.9810, 12.4610, 55.0290** is the 20% darker color. If you saturate the color by 10%, you get **134.2240, 16.6310, 67.5670**, and if you desaturate by 10%, it is **164.8140, 11.1330, 46.0530**.

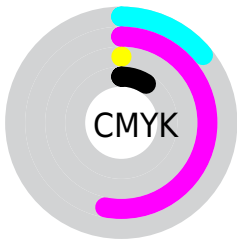
# Distribution



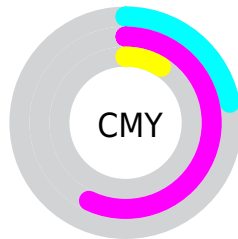
- Red (78%)
- Green (43%)
- Blue (91%)



- Red (78%)
- Yellow (43%)
- Blue (91%)



- Cyan (14%)
- Magenta (53%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (57%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.5190, 13.8820, 56.8100 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 149.5190, 13.8820, 56.8100 by changing the saturation by 10% instead.



149.5190, 13.8820,  
56.8100

149.5190, 13.8820,  
56.8100

255.0000, -0.0000,  
-0.0000

121.8070, 13.0110,  
56.0750

200.9960, 25.3000,  
48.1160

94.9810, 12.4610,  
55.0290

217.4320, 17.6000,  
33.4720

66.2200, 13.2860,  
56.5980

234.4550, 9.6250,  
18.3050

39.8070, 13.0110,  
56.0750

251.4780, 1.6500,  
3.1380

28.8840, 4.9440,  
42.5760

19.2710, -1.0600,  
30.2360

5.4720, -15.4080,

14.9280

■ 3.5510, -8.6210,  
7.5630

■ 0.0000, 0.0000,  
0.0000

■ 149.5190, 13.8820,  
56.8100

■ 149.5190, 13.8820,  
56.8100

■ 134.2240, 16.6310,  
67.5670

■ 164.8140, 11.1330,  
46.0530

■ 118.9290, 19.3800,  
78.3240

■ 180.4080, 8.9800,  
35.5080

■ 103.3350, 21.5330,  
88.8690

■ 195.7030, 6.2310,  
24.7510

■ 88.0400, 24.2820,  
99.6260

■ 210.9980, 3.4820,  
13.9940

76.8650, 26.5730,  
107.6690

226.2930, 0.7330,  
3.2370

242.1750, -2.2910,  
-8.0430

248.3770, -0.0440,  
-10.2200

250.1710, 3.5320,  
-8.9480

251.9650, 7.1080,  
-7.6760

# Harmonies

## Analogous

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



136.9750, -67.6320, 25.2640



149.5190, 13.8820, 56.8100



141.4210, 70.0000, 64.0160

# Triad

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



149.5190, 13.8820, 56.8100



137.5500, 79.0950, -29.2650



123.9290, -107.8310, -33.6790

# Complementary

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



149.5190, 13.8820, 56.8100



190.4810, -13.8820, -56.8100

# 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.



115.1170, -85.7740, -53.4700



149.5190, 13.8820, 56.8100



131.9480, 39.0270, -52.0210

# Square

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



149.5190, 13.8820, 56.8100



138.9700, 96.9690, 10.2570



119.1350, -33.4590, -59.9470



127.9650, -124.7070, -14.1710



# Rectangle

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



149.5190, 13.8820, 56.8100



135.6770, 89.3500, 54.7420



119.1350, -33.4590, -59.9470



121.4210, -100.7690, -40.5210

# Sweetspot

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



149.5190, 13.8820, 56.8100



227.6440, 4.7190, 19.1110



143.4530, -48.7870, 19.6370



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.



149.5190, 13.8820, 56.8100



147.6360, 18.6470, 75.0870



156.4220, 41.8960, 55.7200



107.0590, 1.5120, 5.6400



59.2760, 20.0210, 83.2290



16.8770, 5.6810, 23.7050



# Inverse Universe

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



149.2400, 62.1190, 36.1270



147.1550, 81.8320, 47.8160



183.5780, -41.8960, -55.7200



106.9300, 6.1890, 3.4770



58.9930, 91.2760, 52.8760

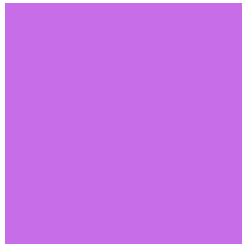


16.8450, 25.9020, 15.1660



# Previews

## White Background



This preview shows how the YIQ color 149.5190, 13.8820, 56.8100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

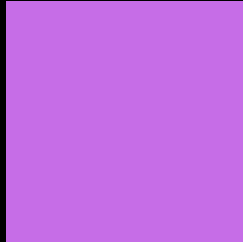
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 149.5190, 13.8820, 56.8100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

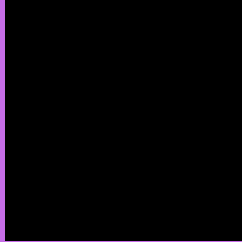
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 149.5190, 13.8820, 56.8100

## Background



This preview shows how black text looks on a background with the YIQ color 149.5190, 13.8820, 56.8100.



This preview shows how white text looks on a background with the YIQ color 149.5190, 13.8820,



# 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

149.5190, 13.8820, 56.8100

### Protanopia

141.4160, -64.5600, 24.6560

### Deuteranopia

143.5300, -47.6860, 16.2020



## Tritanopia

148.4000, 28.6530, 14.8690

# Trichromacy



## Original Color

149.5190, 13.8820, 56.8100

## Protanomaly

144.4090, -36.3190, 35.9770

## Deuteranomaly

146.1080, -25.4060, 30.9300

## Tritanomaly

148.8470, 23.5610, 30.0650

# Monochromacy



## Original Color

149.5190, 13.8820, 56.8100

## Achromatopsia

150.0000, -0.0000, -0.0000

## Achromatomaly

149.5840, 4.9480, 20.4680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.5190, 13.8820, 56.8100 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(198, 109, 231)` looks like.

```
.text, #text, p{  
    color:rgb(198, 109, 231)  
}
```

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(198, 109, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 109, 231) }
```

## Border

The CSS property to change the border of an element to YIQ 149.5190, 13.8820, 56.8100 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(198, 109, 231) }
```



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

```
.border{ border-color:rgb(198, 109, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 109, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 109, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 109, 231);  
box-shadow:4px 4px 4px 4px rgb(198, 109,  
231) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.5190, 13.8820, 56.8100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 109, 231) }
```

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

```
.background{ background-color: rgb(198,  
109, 231) }
```

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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