

# Converting Colors

YIQ(149.7810, 15.9000, 53.2760)

Have a look what the booklet for  
YIQ(149.7810, 15.9000, 53.2760)  
contains.

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# Color

**YIQ(149.7810, 15.9000,  
53.2760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C66FDF
RGB	198, 111, 223
RGB Percent	78%, 44%, 87%
CMY	0.2232, 0.5648, 0.1255
CMYK	0.11, 0.50, 0.00, 0.13
HSL	287°, 64%, 65%
HSV	287°, 50%, 87%
XYZ	42.3063, 28.7037, 73.1184
YIQ	149.7810, 15.9000, 53.2760

# Conversions

## Conversions Part 2

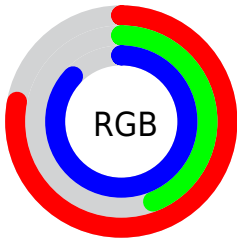
Format	Color
R <sub>Y</sub> B	198, 111, 223
Decimal	13004767
CIE Lab	60.52, 51.94, -43.21
CIE LCh	61, 67.562, 320.240
Yxy	28.7037, 0.2935, 0.1992
Android (android.graphics.Color)	4291194847 (0xFFC66FDF)
YUV	149.7810, 36.0970, 42.2881
Hunter-Lab	53.5758, 47.1951, -43.4137

# Details

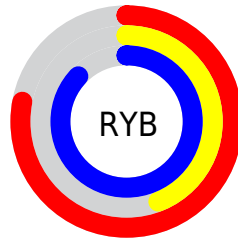
The YIQ color  $149.7810, 15.9000, 53.2760$  is a light color, and the websafe version is hex  $CC66CC$ . A complement of this color would be  $184.2190, -15.9000, -53.2760$ , and the grayscale version is  $149.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $202.1700, 24.7500, 47.0700$ , and  $95.5420, 15.0750, 51.7070$  is the 20% darker color. If you saturate the color by 10%, you get  $135.3720, 18.9700, 63.7220$ , and if you desaturate by 10%, it is  $164.1900, 12.8300, 42.8300$ .

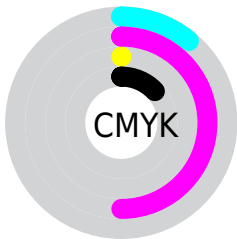
# Distribution



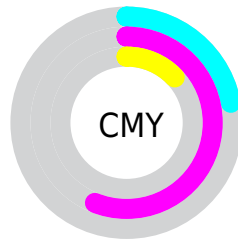
- Red (78%)
- Green (44%)
- Blue (87%)



- Red (78%)
- Yellow (44%)
- Blue (87%)



- Cyan (11%)
- Magenta (50%)
- Yellow (0%)
- Black (13%)



- Cyan (22%)
- Magenta (56%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.7810, 15.9000, 53.2760 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 149.7810, 15.9000, 53.2760 by changing the saturation by 10% instead.



149.7810, 15.9000,  
53.2760

149.7810, 15.9000,  
53.2760

255.0000, -0.0000,  
-0.0000

122.9550, 15.3500,  
52.2300

202.1700, 24.7500,  
47.0700

95.5420, 15.0750,  
51.7070

218.6060, 17.0500,  
32.4260

67.6560, 14.7540,  
52.0180

235.6290, 9.0750,  
17.2590

39.3080, 15.8540,  
54.1100

252.6520, 1.1000,  
2.0920

28.3850, 7.7870,  
40.6110

19.1850, 2.0580,  
28.7940

4.7880, -13.4820,

13.0620

■ 2.8670, -6.6950,  
5.6970

■ 0.0000, 0.0000,  
0.0000

■ 149.7810, 15.9000,  
53.2760

■ 149.7810, 15.9000,  
53.2760

■ 135.3720, 18.9700,  
63.7220

■ 164.1900, 12.8300,  
42.8300

■ 120.3760, 22.3150,  
74.6910

■ 179.1860, 9.4850,  
31.8610

■ 105.9670, 25.3850,  
85.1370

■ 193.5950, 6.4150,  
21.4150

■ 91.5580, 28.4550,  
95.5830

■ 208.0040, 3.3450,  
10.9690

■ 77.1490, 31.5250,  
106.0290

■ 222.4130, 0.2750,  
0.5230

■ 237.4090, -3.0700,  
-10.4460

■ 244.7740, -2.8400,  
-14.6160

■ 246.2690, 0.1400,  
-13.5560

■ 247.7640, 3.1200,  
-12.4960

# Harmonies

## Analogous

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



141.1720, -57.8210, 29.1790



149.7810, 15.9000, 53.2760



142.8780, 66.9750, 58.2630

# Triad

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



149.7810, 15.9000, 53.2760



136.9410, 76.4360, -30.6360



122.7550, -107.2810, -32.6330

# Complementary

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



149.7810, 15.9000, 53.2760



184.2190, -15.9000, -53.2760

# 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.



115.1000, -87.1040, -51.3920



149.7810, 15.9000, 53.2760



131.6490, 38.4310, -52.2330

# Square

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



149.7810, 15.9000, 53.2760



140.6810, 90.4130, 7.9250



122.0690, -33.0930, -55.5650



126.8080, -122.8270, -15.2030



# Rectangle

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



149.7810, 15.9000, 53.2760



139.2480, 86.0040, 49.3000



122.0690, -33.0930, -55.5650



120.9480, -100.8150, -39.6870

# Sweetspot

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



149.7810, 15.9000, 53.2760



230.0030, 5.0860, 17.9660



139.0300, -43.1020, 21.2340



112.7050, 2.7490, 10.7570



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.



149.7810, 15.9000, 53.2760



155.0230, 21.8110, 72.8110



153.8360, 40.4300, 49.2460



104.9450, 1.8330, 5.3290



61.0270, 25.1560, 83.7800



16.8340, 7.2400, 22.9840



# Inverse Universe

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



147.3380, 58.7270, 31.5190



151.6230, 80.2740, 43.0100



180.1640, -40.4300, -49.2460



104.5170, 5.9140, 2.9540



57.0700, 92.3770, 49.4410

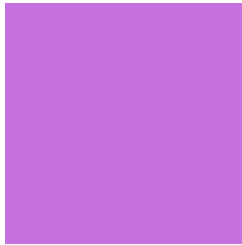


15.6060, 25.0770, 13.5970



# Previews

## White Background



This preview shows how the YIQ color 149.7810, 15.9000, 53.2760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

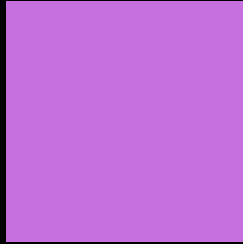
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 149.7810, 15.9000, 53.2760 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 149.7810, 15.9000, 53.2760

## Background



This preview shows how black text looks on a background with the YIQ color 149.7810, 15.9000, 53.2760.



This preview shows how white text looks on a background with the YIQ color 149.7810, 15.9000,



# 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

149.7810, 15.9000, 53.2760

### Protanopia

142.1560, -60.8920, 24.2600

### Deuteranopia

144.2380, -40.9920, 16.0320



## Tritanopia

148.5850, 29.5700, 14.7700

# Trichromacy



## Original Color

149.7810, 15.9000, 53.2760



## Protanomaly

144.7360, -32.9260, 35.0580



## Deuteranomaly

146.3920, -20.4540, 29.2900



## Tritanomaly

149.0920, 24.2490, 28.6090

# Monochromacy



## Original Color

149.7810, 15.9000, 53.2760



## Achromatopsia

150.0000, -0.0000, -0.0000



## Achromatomaly

149.9430, 5.3150, 19.3230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.7810, 15.9000, 53.2760 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, 111, 223)` looks like.

```
.text, #text, p{  
    color:rgb(198, 111, 223)  
}
```

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, 111, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 111, 223) }
```

## Border

The CSS property to change the border of an element to YIQ 149.7810, 15.9000, 53.2760 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, 111, 223) }
```



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

```
.border{ border-color:rgb(198, 111, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 111, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 111, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 111, 223);  
box-shadow:4px 4px 4px 4px rgb(198, 111,  
223) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.7810, 15.9000, 53.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 111, 223) }
```

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

```
.background{ background-color: rgb(198,  
111, 223) }
```

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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