

# Converting Colors

YIQ(179.7720, 46.4820, 49.6980)

Have a look what the booklet for  
YIQ(179.7720, 46.4820, 49.6980)  
contains.

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# **Color**

**YIQ(179.7720, 46.4820,  
49.6980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF87D5
RGB	255, 135, 213
RGB Percent	100%, 53%, 84%
CMY	0.0000, 0.4708, 0.1646
CMYK	0.00, 0.47, 0.16, 0.00
HSL	321°, 100%, 76%
HSV	321°, 47%, 100%
XYZ	61.9112, 43.3796, 68.0819
YIQ	179.7720, 46.4820, 49.6980

# Conversions

## Conversions Part 2

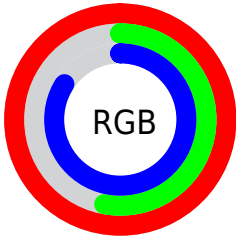
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 135, 213
Decimal	16746453
CIE Lab	71.81, 54.93, -19.62
CIE LCh	72, 58.325, 340.340
Yxy	43.3796, 0.3571, 0.2502
Android (android.graphics.Color)	4294936533 (0xFFFF87D5)
YUV	179.7720, 16.3814, 65.9750
Hunter-Lab	65.8632, 52.5288, -15.1830

# Details

The YIQ color **179.7720, 46.4820, 49.6980** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **210.2280, -46.4820, -49.6980**, and the grayscale version is **180.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.4320, 17.6000, 33.4720**, and **123.5760, 44.0980, 48.8500** is the 20% darker color. If you saturate the color by 10%, you get **163.4840, 56.5210, 60.4970**, and if you desaturate by 10%, it is **195.4730, 36.7180, 39.4220**.

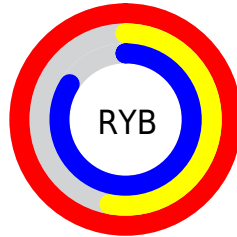
# Distribution



Red (100%)

Green (53%)

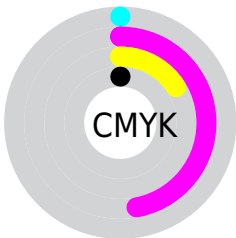
Blue (84%)



Red (100%)

Yellow (53%)

Blue (84%)

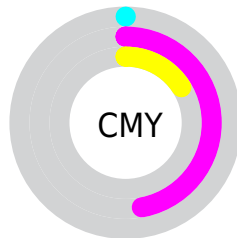


Cyan (0%)

Magenta (47%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 179.7720, 46.4820, 49.6980 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 179.7720, 46.4820, 49.6980 by changing the saturation by 10% instead.





 179.7720, 46.4820,  
49.6980

 179.7720, 46.4820,  
49.6980


255.0000, -0.0000,  
-0.0000

 151.7610, 45.0150,  
48.7510


 217.4320, 17.6000,  
33.4720


 123.5760, 44.0980,  
48.8500


 234.4550, 9.6250,  
18.3050

 95.5050, 42.8600,  
49.2600

 251.4780, 1.6500,  
3.1380

 64.9120, 43.2720,  
52.8080

 42.5370, 39.8340,  
49.0340

 31.8420, 31.1250,  
36.1570

 22.1580, 23.8830,

24.2270

■ 10.8650, 13.9820,  
10.9260

■ 0.0000, 0.0000,  
0.0000

■ 179.7720, 46.4820,  
49.6980

■ 179.7720, 46.4820,  
49.6980

■ 163.4840, 56.5210,  
60.4970

■ 195.4730, 36.7180,  
39.4220

■ 147.7830, 66.2850,  
70.7730

■ 211.7610, 26.6790,  
28.6230

■ 131.4950, 76.3240,  
81.5720

■ 227.4620, 16.9150,  
18.3470

■ 115.7940, 86.0880,  
91.8480

■ 243.7500, 6.8760,  
7.5480

■ 99.5060, 96.1270, 255.0000, -0.0000,  
102.6470 -0.0000

■ 95.1690, 98.6940,  
105.6860

# Harmonies

## Analogous

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



180.1650, -3.2170, 41.7990



179.7720, 46.4820, 49.6980



170.2080, 65.1450, 36.3530

# Triad

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



179.7720, 46.4820, 49.6980



168.6950, 41.9580, -33.5460



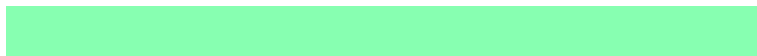
145.2160, -133.3240, -28.7160

# Complementary

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



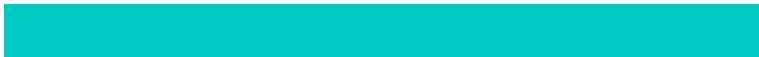
179.7720, 46.4820, 49.6980



210.2280, -46.4820, -49.6980

# 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.



140.5760, -117.5030, -45.6230



179.7720, 46.4820, 49.6980



161.9480, -4.5310, -44.5550

# Square

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



179.7720, 46.4820, 49.6980



172.5070, 72.6270, -11.1570



142.1020, -81.4180, -55.3220



141.1870, -134.3800, -20.5880



# Rectangle

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



179.7720, 46.4820, 49.6980



169.7400, 74.7300, 22.3300



142.1020, -81.4180, -55.3220



143.9790, -128.4630, -34.2150

# Sweetspot

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



179.7720, 46.4820, 49.6980



232.5000, 13.7520, 15.0960



160.6400, -14.6800, 45.8000



114.1740, 8.6180, 9.0180



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.



179.7720, 46.4820, 49.6980



165.3590, 55.3750, 59.2390



173.1600, 65.1000, 31.6600



119.7990, 5.1800, 5.2440



71.2450, 74.0320, 79.0560



23.8100, 24.9830, 26.3190



# Inverse Universe

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



179.7720, 46.4820, 49.6980



165.3590, 55.3750, 59.2390



216.8400, -65.1000, -31.6600



119.7990, 5.1800, 5.2440



71.2450, 74.0320, 79.0560

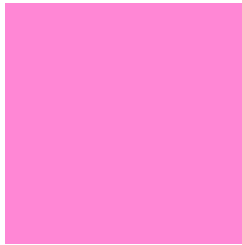


23.8100, 24.9830, 26.3190



# Previews

## White Background



This preview shows how the YIQ color 179.7720, 46.4820, 49.6980 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 179.7720, 46.4820, 49.6980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

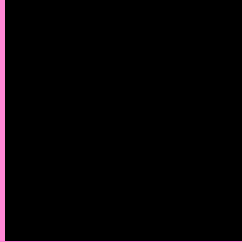
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 179.7720, 46.4820, 49.6980

## Background



This preview shows how black text looks on a background with the YIQ color 179.7720, 46.4820, 49.6980.



This preview shows how white text looks on a background with the YIQ color 179.7720, 46.4820,

49.6980.

# 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

179.7720, 46.4820, 49.6980

### Protanopia

176.5550, -31.6390, 17.2330

### Deuteranopia

178.0830, -7.0630, 12.3690



## Tritanopia

178.6380, 57.5820, 24.7340

# Trichromacy



## Original Color

179.7720, 46.4820, 49.6980



## Protanomaly

177.9610, -3.1230, 29.0770



## Deuteranomaly

179.0520, 12.5580, 25.7260



## Tritanomaly

179.1680, 53.4540, 33.4700

# Monochromacy



## Original Color

179.7720, 46.4820, 49.6980



## Achromatopsia

180.0000, -0.0000, -0.0000



## Achromatomaly

180.0490, 16.6400, 17.8240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 179.7720, 46.4820, 49.6980 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(255, 135, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 213)  
}
```

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(255, 135, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 213) }
```

## Border

The CSS property to change the border of an element to YIQ 179.7720, 46.4820, 49.6980 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".

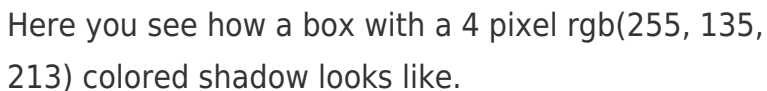
```
.border, #border, table{ border:4px solid rgb(255, 135, 213) }
```



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

```
.border{ border-color:rgb(255, 135, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 135, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
213) }
```

# Background

The CSS property to change the background color of an element to YIQ 179.7720, 46.4820, 49.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 213) }
```

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

```
.background{ background-color: rgb(255,  
135, 213) }
```

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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