

# Converting Colors

YIQ(195.6580, 20.4400, 48.0880)

Have a look what the booklet for  
YIQ(195.6580, 20.4400, 48.0880)  
contains.

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# Color

**YIQ(195.6580, 20.4400,  
48.0880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F59FFF
RGB	245, 159, 255
RGB Percent	96%, 62%, 100%
CMY	0.0389, 0.3766, 0.0000
CMYK	0.04, 0.38, 0.00, 0.00
HSL	294°, 100%, 81%
HSV	294°, 38%, 100%
XYZ	68.1217, 51.4285, 100.9440
YIQ	195.6580, 20.4400, 48.0880

# Conversions

## Conversions Part 2

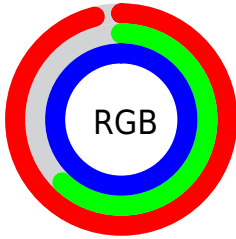
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 159, 255
Decimal	16097279
CIE <sub>Lab</sub>	76.94, 46.86, -34.78
CIE <sub>LCh</sub>	77, 58.359, 323.420
Yxy	51.4285, 0.3089, 0.2332
Android (android.graphics.Color)	4294287359 (0xFFFF59FFF)
YUV	195.6580, 29.2556, 43.2729
Hunter-Lab	71.7137, 44.0603, -33.2569

# Details

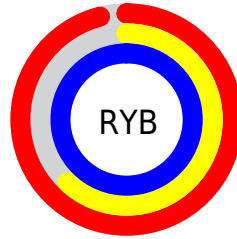
The YIQ color  $195.6580, 20.4400, 48.0880$  is a light color, and the websafe version is hex  $FF99FF$ . A complement of this color would be  $218.3420, -20.4400, -48.0880$ , and the grayscale version is  $195.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $231.5200, 11.0000, 20.9200$ , and  $140.1200, 19.0190, 46.3070$  is the 20% darker color. If you saturate the color by 10%, you get  $179.4990, 25.8020, 61.0500$ , and if you desaturate by 10%, it is  $211.2300, 15.3530, 35.6490$ .

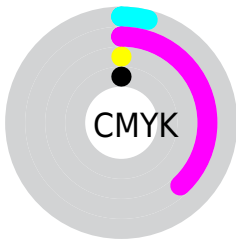
# Distribution



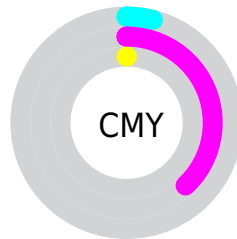
- Red (96%)
- Green (62%)
- Blue (100%)



- Red (96%)
- Yellow (62%)
- Blue (100%)



- Cyan (4%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (38%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 195.6580, 20.4400, 48.0880 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 195.6580, 20.4400, 48.0880 by changing the saturation by 10% instead.





 195.6580, 20.4400,  
48.0880

 195.6580, 20.4400,  
48.0880


255.0000, -0.0000,  
-0.0000


 167.8320, 19.8900,  
47.0420


 231.5200, 11.0000,  
20.9200


 140.1200, 19.0190,  
46.3070

 248.5430, 3.0250,  
5.7530

 113.2940, 18.4690,  
45.2610

 87.5820, 17.5980,  
44.5260

 60.1090, 17.5520,  
45.3600

 34.2230, 17.2310,  
45.6710

 24.0120, 10.0350,

32.9070

■ 14.5130, 3.7100,  
20.8780

■ 3.3230, -7.9790,  
6.9410

■ 195.6580, 20.4400,  
48.0880

■ 195.6580, 20.4400,  
48.0880

■ 179.4990, 25.8020,  
61.0500

■ 211.2300, 15.3530,  
35.6490

■ 164.2260, 31.4850,  
73.7010

■ 227.0900, 9.3950,  
22.4750

■ 148.0670, 36.8470,  
86.6630

■ 242.6620, 4.3080,  
10.0360

■ 132.7940, 42.5300,  
99.3140

■ 255.0000, -0.0000,  
-0.0000

■ 116.6350, 47.8920,  
112.2760

■ 101.0630, 52.9790,  
124.7150

■ 97.5410, 54.6290,  
127.8530

# Harmonies

## Analogous

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



186.7560, -27.6510, 22.0530



195.6580, 20.4400, 48.0880



184.0290, 46.8960, 42.1920

# Triad

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



195.6580, 20.4400, 48.0880



185.4960, 61.9920, -22.1680



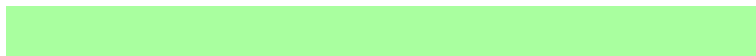
153.7130, -133.8260, -41.6500

# Complementary

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



195.6580, 20.4400, 48.0880



218.3420, -20.4400, -48.0880

# 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.



146.8560, -115.8960, -58.2320



195.6580, 20.4400, 48.0880



180.7250, 24.0780, -39.9060

# Square

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



195.6580, 20.4400, 48.0880



183.7820, 73.7710, 1.1550



171.6660, -30.1600, -48.1440



152.9270, -139.8800, -31.0480



# Rectangle

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



195.6580, 20.4400, 48.0880



179.9250, 58.4520, 30.9960



171.6660, -30.1600, -48.1440



151.6610, -128.0480, -47.2480

# Sweetspot

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



195.6580, 20.4400, 48.0880



237.6670, 5.9120, 14.0080



176.4010, -33.8410, 24.1030



117.4230, 3.4830, 8.4670



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.



195.6580, 20.4400, 48.0880



183.9070, 24.4730, 57.6010



194.4300, 38.2770, 38.7010



119.7710, 2.3830, 6.3750



72.9030, 40.6050, 95.6530



24.3390, 13.4280, 31.9880



# Inverse Universe

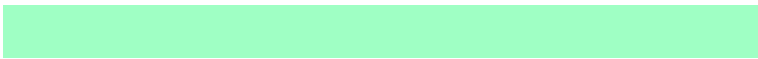
The Inverse Universe completely reimagines the original color for something new.



188.8440, 54.0060, 23.4620



175.7530, 64.6880, 28.1120



219.5700, -38.2770, -38.7010



119.0010, 7.4270, 3.0670



59.3890, 107.4160, 46.7120



19.9340, 35.8970, 15.7450



# Previews

## White Background



This preview shows how the YIQ color 195.6580, 20.4400, 48.0880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

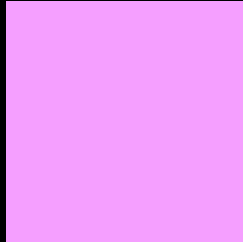
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 195.6580, 20.4400, 48.0880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

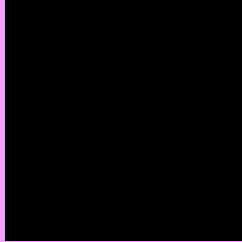
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 195.6580, 20.4400, 48.0880

## Background



This preview shows how black text looks on a background with the YIQ color 195.6580, 20.4400, 48.0880.



This preview shows how white text looks on a background with the YIQ color 195.6580, 20.4400,

48.0880.

# 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

195.6580, 20.4400, 48.0880

### Protanopia

190.2560, -32.2350, 17.0210

### Deuteranopia

190.8930, -26.7790, 17.2610



## Tritanopia

193.4330, 33.0540, 17.7100

# Trichromacy



## Original Color

195.6580, 20.4400, 48.0880



## Protanomaly

191.8720, -13.1180, 28.4980



## Deuteranomaly

192.7260, -9.7710, 28.4130

## Tritanomaly

194.2450, 28.1920, 28.7360

# Monochromacy



## Original Color

195.6580, 20.4400, 48.0880



## Achromatopsia

196.0000, -0.0000, -0.0000



## Achromatomaly

196.1450, 7.5620, 17.1460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 195.6580, 20.4400, 48.0880 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(245, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 159, 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(245, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 159, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 195.6580, 20.4400, 48.0880 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(245, 159, 255) }
```



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

```
.border{ border-color:rgb(245, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 159,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 195.6580, 20.4400, 48.0880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 159, 255) }
```

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

```
.background{ background-color: rgb(245,  
159, 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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