

# Converting Colors

YIQ(218.9650, 8.2490, 21.2170)

Have a look what the booklet for  
YIQ(218.9650, 8.2490, 21.2170)  
contains.

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# Color

**YIQ(218.9650, 8.2490,  
21.2170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0CBF6
RGB	240, 203, 246
RGB Percent	94%, 80%, 96%
CMY	0.0587, 0.2040, 0.0353
CMYK	0.02, 0.17, 0.00, 0.04
HSL	292°, 70%, 88%
HSV	292°, 17%, 96%
XYZ	73.9319, 67.8888, 96.3959
YIQ	218.9650, 8.2490, 21.2170

# Conversions

## Conversions Part 2

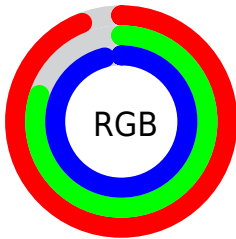
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 203, 246
Decimal	15780854
CIE Lab	85.95, 20.39, -16.26
CIE LCh	86, 26.083, 321.423
Yxy	67.8888, 0.3104, 0.2850
Android (android.graphics.Color)	4293970934 (0xFFFF0CBF6)
YUV	218.9650, 13.3283, 18.4477
Hunter-Lab	82.3946, 15.9757, -11.6888

# Details

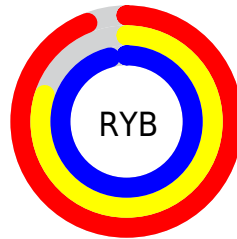
The YIQ color  $218.9650, 8.2490, 21.2170$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $230.0350, -8.2490, -21.2170$ , and the grayscale version is  $219.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $164.1390, 7.6990, 20.1710$  is the 20% darker color. If you saturate the color by 10%, you get  $203.3930, 13.3360, 33.6560$ , and if you desaturate by 10%, it is  $234.5370, 3.1620, 8.7780$ .

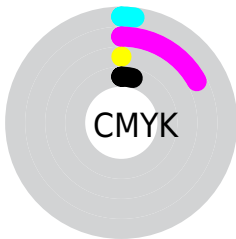
# Distribution



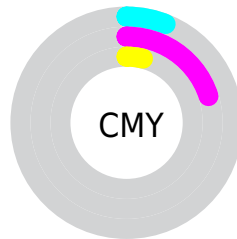
- Red (94%)
- Green (80%)
- Blue (96%)



- Red (94%)
- Yellow (80%)
- Blue (96%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (6%)
- Magenta (20%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 218.9650, 8.2490, 21.2170 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 218.9650, 8.2490, 21.2170 by changing the saturation by 10% instead.



218.9650, 8.2490,  
21.2170

218.9650, 8.2490,  
21.2170

255.0000, -0.0000,  
-0.0000

190.8510, 8.5700,  
20.9060

164.1390, 7.6990,  
20.1710

137.7260, 7.4240,  
19.6480

111.9000, 6.8740,  
18.6020

87.4870, 6.5990,  
18.0790

63.6610, 6.0490,  
17.0330

41.2480, 5.7740,

16.5100

■ 19.2480, 5.7740,  
16.5100

■ 2.2800, -6.4200,  
6.2200

■ 218.9650, 8.2490,  
21.2170

■ 218.9650, 8.2490,  
21.2170

■ 203.3930, 13.3360,  
33.6560

■ 234.5370, 3.1620,  
8.7780

■ 188.1090, 17.5520,  
45.3600

■ 249.8210, -1.0540,  
-2.9260

■ 172.5370, 22.6390,  
57.7990

■ 252.4790, -0.0910,  
-3.8590

■ 157.2530, 26.8550,  
69.5030

■ 253.6750, 2.2930,  
-3.0110

■ 141.6810, 31.9420,  
81.9420

■ 253.9740, 2.8890,  
-2.7990

■ 126.1090, 37.0290,  
94.3810

■ 110.8250, 41.2450,  
106.0850

■ 95.2530, 46.3320,  
118.5240

■ 91.4320, 47.3860,  
121.4500

# Harmonies

## Analogous

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



215.7170, -14.7200, 13.4720



218.9650, 8.2490, 21.2170



217.8930, 25.9470, 19.8590

# Triad

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



218.9650, 8.2490, 21.2170



214.5410, 31.7290, -7.8470



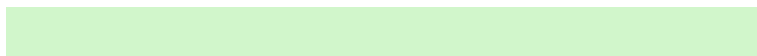
204.5250, -50.4310, -16.6630

# Complementary

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



218.9650, 8.2490, 21.2170



230.0350, -8.2490, -21.2170

# 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.



206.1600, -33.4660, -21.2580



218.9650, 8.2490, 21.2170



212.1040, 13.6660, -16.3980

# Square

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



218.9650, 8.2490, 21.2170



215.5840, 39.3380, 2.9380



208.9640, -9.4870, -20.8070



206.6530, -53.3670, -7.5030



# Rectangle

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



218.9650, 8.2490, 21.2170



215.3680, 31.6790, 15.0950



208.9640, -9.4870, -20.8070



204.5100, -46.0750, -18.5150

# Sweetspot

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



218.9650, 8.2490, 21.2170



246.7710, 2.3830, 6.3750



211.4240, -15.4530, 10.2350



122.7060, 1.0080, 3.7600



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.



218.9650, 8.2490, 21.2170



221.2090, 10.6780, 26.7580



219.0490, 16.6400, 17.8240



114.6570, 2.7040, 6.0640



69.0440, 35.6540, 91.7660



21.9750, 11.4570, 29.1610



# Inverse Universe

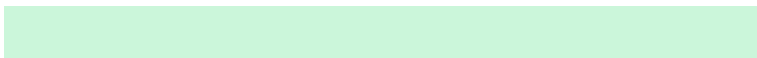
The Inverse Universe completely reimagines the original color for something new.



216.5410, 23.7020, 10.9820



218.0580, 29.6160, 13.9360



229.9510, -16.6400, -17.8240



113.8160, 6.5100, 3.1660



58.5780, 102.5100, 47.5180



18.5530, 32.5960, 14.9960



# Previews

## White Background



This preview shows how the YIQ color 218.9650, 8.2490, 21.2170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

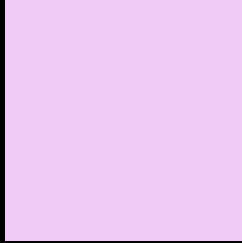
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 218.9650, 8.2490, 21.2170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

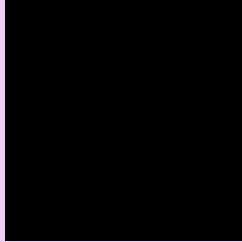
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 218.9650, 8.2490, 21.2170

## Background



This preview shows how black text looks on a background with the YIQ color 218.9650, 8.2490, 21.2170.



This preview shows how white text looks on a background with the YIQ color 218.9650, 8.2490,



# 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

218.9650, 8.2490, 21.2170

### Protanopia

215.7660, -16.4160, 11.1680

### Deuteranopia

217.5780, -4.0830, 13.4290



## Tritanopia

217.7940, 12.7440, 11.3360

# Trichromacy



## Original Color

218.9650, 8.2490, 21.2170

## Protanomaly

216.6640, -7.2010, 14.8710

## Deuteranomaly

217.9100, 0.9140, 16.4820

## Tritanomaly

218.4180, 11.0470, 14.5590

# Monochromacy



## Original Color

218.9650, 8.2490, 21.2170

## Achromatopsia

219.0000, 0.0000, -0.0000

## Achromatomaly

219.0100, 3.2080, 7.9440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 218.9650, 8.2490, 21.2170 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(240, 203, 246)` looks like.

```
.text, #text, p{  
    color:rgb(240, 203, 246)  
}
```

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(240, 203, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 203, 246) }
```

## Border

The CSS property to change the border of an element to YIQ 218.9650, 8.2490, 21.2170 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(240, 203, 246) }
```



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

```
.border{ border-color:rgb(240, 203, 246) }
```

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

Here you see how a box with a 4 pixel rgb(240, 203, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 203, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 203, 246);  
box-shadow:4px 4px 4px 4px rgb(240, 203,  
246) }
```

# Background

The CSS property to change the background color of an element to YIQ 218.9650, 8.2490, 21.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 203, 246) }
```

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

```
.background{ background-color: rgb(240,  
203, 246) }
```

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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