

# Converting Colors

YIQ(213.8120, 4.3060, 21.0900)

Have a look what the booklet for  
YIQ(213.8120, 4.3060, 21.0900)  
contains.

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# Color

**YIQ(213.8120, 4.3060,  
21.0900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7C7F5
RGB	231, 199, 245
RGB Percent	91%, 78%, 96%
CMY	0.0940, 0.2196, 0.0392
CMYK	0.06, 0.19, 0.00, 0.04
HSL	282°, 70%, 87%
HSV	282°, 19%, 96%
XYZ	69.8647, 64.4264, 95.1357
YIQ	213.8120, 4.3060, 21.0900

# Conversions

## Conversions Part 2

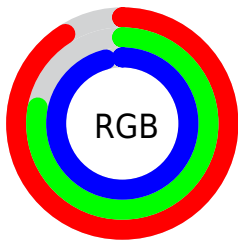
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 199, 245
Decimal	15190005
CIE Lab	84.19, 19.40, -18.46
CIE LCh	84, 26.783, 316.416
Yxy	64.4264, 0.3045, 0.2808
Android (android.graphics.Color)	4293380085 (0xFFE7C7F5)
YUV	213.8120, 15.3757, 15.0739
Hunter-Lab	80.2660, 14.9033, -14.0875

# Details

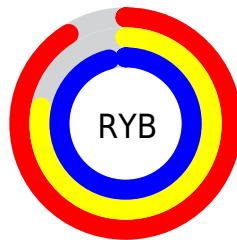
The YIQ color  $213.8120, 4.3060, 21.0900$  is a light color, and the websafe version is hex  $FFCCFF$ . A complement of this color would be  $230.1880, -4.3060, -21.0900$ , and the grayscale version is  $214.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $158.9860, 3.7560, 20.0440$  is the 20% darker color. If you saturate the color by 10%, you get  $197.0440, 7.0090, 32.6810$ , and if you desaturate by 10%, it is  $229.9930, 1.8780, 10.0220$ .

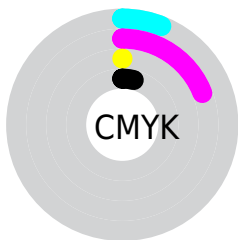
# Distribution



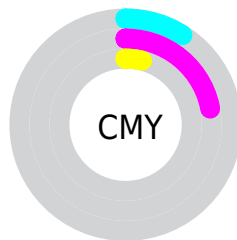
- Red (91%)
- Green (78%)
- Blue (96%)



- Red (91%)
- Yellow (78%)
- Blue (96%)



- Cyan (6%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (22%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.8120, 4.3060, 21.0900 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 213.8120, 4.3060, 21.0900 by changing the saturation by 10% instead.



■ 213.8120, 4.3060,  
21.0900

■ 213.8120, 4.3060,  
21.0900

255.0000, -0.0000,  
-0.0000

■ 186.2850, 4.3520,  
20.2560

■ 158.9860, 3.7560,  
20.0440

■ 132.5730, 3.4810,  
19.5210

■ 107.0460, 3.5270,  
18.6870

■ 82.6330, 3.2520,  
18.1640

■ 59.6930, 3.0230,  
16.8070

■ 37.2800, 2.7480,

16.2840

■ 14.4050, 3.8940,  
17.5420

■ 2.6390, -6.0530,  
5.0750

■ 213.8120, 4.3060,  
21.0900

■ 213.8120, 4.3060,  
21.0900

■ 197.0440, 7.0090,  
32.6810

■ 229.9930, 1.8780,  
10.0220

■ 180.5640, 8.8410,  
43.5370

■ 247.0600, -0.2290,  
-1.3570

■ 163.7960, 11.5440,  
55.1280

■ 253.2620, 2.0180,  
-3.5340

■ 147.3160, 13.3760,  
65.9840

■ 253.8600, 3.2100,  
-3.1100

■ 130.5480, 16.0790,  
77.5750

■ 114.0680, 17.9110,  
88.4310

■ 97.3000, 20.6140,  
100.0220

■ 81.1190, 23.0420,  
111.0900

■ 79.0590, 23.2710,  
112.4470

# Harmonies

## Analogous

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



210.6670, -20.4510, 12.7090



213.8120, 4.3060, 21.0900



214.3600, 26.1300, 22.0500

# Triad

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



213.8120, 4.3060, 21.0900



209.8620, 35.2590, -5.7410



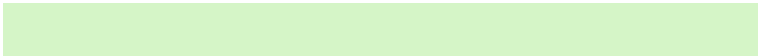
198.7700, -49.7430, -18.1190

# Complementary

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



213.8120, 4.3060, 21.0900



230.1880, -4.3060, -21.0900

# 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.



201.1880, -30.6690, -22.3890



213.8120, 4.3060, 21.0900



207.3710, 17.2880, -15.9600

# Square

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



213.8120, 4.3060, 21.0900



211.7200, 41.9510, 5.1430



204.7040, -5.8190, -21.2030



200.8160, -55.3840, -9.4960



# Rectangle

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



213.8120, 4.3060, 21.0900



212.3190, 33.3750, 17.3990



204.7040, -5.8190, -21.2030



199.0540, -44.7910, -19.7590

# Sweetspot

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



213.8120, 4.3060, 21.0900



244.7000, 1.1450, 6.7850



213.0490, -18.8910, 6.4610



121.8200, 0.6870, 4.0710



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.



213.8120, 4.3060, 21.0900



214.9850, 5.4970, 27.0410



217.0860, 15.2180, 21.5700



114.0590, 1.5120, 5.6400



60.0740, 17.7740, 85.4060



18.9850, 5.4970, 27.0410



# Inverse Universe

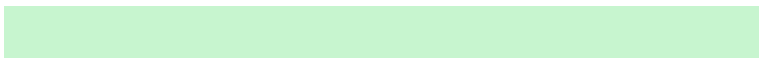
The Inverse Universe completely reimagines the original color for something new.



214.3500, 22.9220, 14.1060



215.6930, 29.3860, 18.1060



226.9140, -15.2180, -21.5700



114.0440, 5.8680, 3.7880



62.1120, 92.5590, 57.1590



19.6930, 29.3860, 18.1060



# Previews

## White Background



This preview shows how the YIQ color 213.8120, 4.3060, 21.0900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

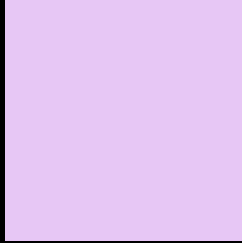
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 213.8120, 4.3060, 21.0900 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 213.8120, 4.3060, 21.0900

## Background



This preview shows how black text looks on a background with the YIQ color 213.8120, 4.3060, 21.0900.



This preview shows how white text looks on a background with the YIQ color 213.8120, 4.3060,

21.0900.

# 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

213.8120, 4.3060, 21.0900

### Protanopia

210.8090, -17.9750, 11.8890

### Deuteranopia

212.1370, -7.1550, 14.0370



## Tritanopia

212.0000, 9.1680, 10.0640

# Trichromacy



## Original Color

213.8120, 4.3060, 21.0900

## Protanomaly

212.1090, -9.9520, 15.1680

## Deuteranomaly

212.7570, -3.0290, 16.3550

## Tritanomaly

212.7380, 7.1500, 13.5980

# Monochromacy



## Original Color

213.8120, 4.3060, 21.0900

## Achromatopsia

214.0000, -0.0000, 0.0000

## Achromatomaly

214.1130, 1.4200, 7.3080

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.8120, 4.3060, 21.0900 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(231, 199, 245)` looks like.

```
.text, #text, p{  
    color:rgb(231, 199, 245)  
}
```

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(231, 199, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 199, 245) }
```

## Border

The CSS property to change the border of an element to YIQ 213.8120, 4.3060, 21.0900 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(231, 199, 245) }
```



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

```
.border{ border-color:rgb(231, 199, 245) }
```

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

Here you see how a box with a 4 pixel rgb(231, 199, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 199, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 199, 245);  
box-shadow:4px 4px 4px 4px rgb(231, 199,  
245) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.8120, 4.3060, 21.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 199, 245) }
```

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

```
.background{ background-color: rgb(231,  
199, 245) }
```

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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