

# Converting Colors

YUV(216.7580, 13.9233,  
14.2442)

Have a look what the booklet for  
YUV(216.7580, 13.9233, 14.2442)  
contains.

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# Color

**YUV(216.7580, 13.9233,  
14.2442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9CBF5
RGB	233, 203, 245
RGB Percent	91%, 80%, 96%
CMY	0.0863, 0.2039, 0.0392
CMYK	0.05, 0.17, 0.00, 0.04
HSL	283°, 68%, 88%
HSV	283°, 17%, 96%
XYZ	71.4416, 66.6281, 95.4813
YIQ	216.7580, 4.3980, 19.4220

# Conversions

## Conversions Part 2

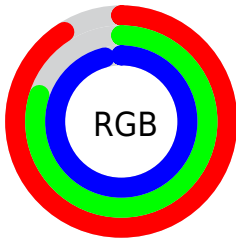
Format	Color
R <sub>Y</sub> B	233, 203, 245
Decimal	15322101
CIE Lab	85.32, 17.91, -16.75
CIE LCh	85, 24.519, 316.910
Yxy	66.6281, 0.3059, 0.2853
Android (android.graphics.Color)	4293512181 (0xFFE9CBF5)
YUV	216.7580, 13.9233, 14.2442
Hunter-Lab	81.6260, 13.3832, -12.2157

# Details

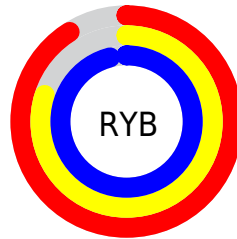
The YUV color  $216.7580, 13.9233, 14.2442$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $231.2420, -13.9233, -14.2442$ , and the grayscale version is  $217.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $161.9320, 13.3445, 13.2146$  is the 20% darker color. If you saturate the color by 10%, you get  $199.9900, 22.1899, 22.8108$ , and if you desaturate by 10%, it is  $232.9390, 5.9461, 6.1925$ .

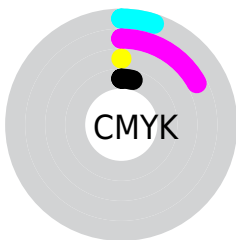
# Distribution



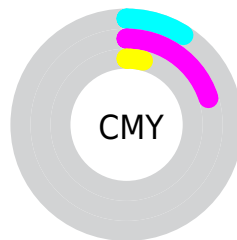
- Red (91%)
- Green (80%)
- Blue (96%)



- Red (91%)
- Yellow (80%)
- Blue (96%)



- Cyan (5%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)




- Cyan (9%)
- Magenta (20%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 216.7580, 13.9233, 14.2442 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 YUV color 216.7580, 13.9233, 14.2442 by changing the saturation by 10% instead.





 216.7580, 13.9233,  
14.2442


 216.7580, 13.9233,  
14.2442


255.0000, 0.0000,  
0.0000


 189.3450, 13.6339,  
13.7294

 161.9320, 13.3445,  
13.2146

 135.5190, 13.0551,  
12.6998

 109.9920, 12.3289,  
12.2850

 85.5790, 12.0396,  
11.7702

 62.1660, 11.7502,  
11.2554

 39.6390, 11.0240,

10.8406

■ 17.6390, 11.0240,  
10.8406

■ 2.7530, 8.0098,  
-2.4144

■ 216.7580, 13.9233,  
14.2442

■ 216.7580, 13.9233,  
14.2442

■ 199.9900, 22.1899,  
22.8108

■ 232.9390, 5.9461,  
6.1925

■ 183.8090, 30.1672,  
30.8625

■ 249.7070, -2.3206,  
-2.3740

■ 167.6280, 38.1444,  
38.9142

■ 253.5610, -4.2206,  
0.3850

■ 150.8600, 46.4110,  
47.4808

■ 253.8600, -4.3680,  
0.9998

■ 134.0920, 54.6776,  
56.0473

■ 117.9110, 62.6549,  
64.0991

■ 101.1430, 70.9215,  
72.6656

■ 84.9620, 78.8987,  
80.7173

■ 80.2550, 81.2193,  
83.0914

# Harmonies

## Analogous

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



213.9230, 20.2510, -8.7025



216.7580, 13.9233, 14.2442



217.4090, 3.2494, 31.2133

# Triad

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



216.7580, 13.9233, 14.2442



213.0080, -22.1889, 23.6720



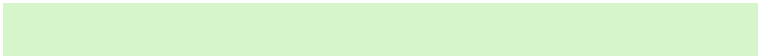
203.2760, 11.2029, -46.7231

# Complementary

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



216.7580, 13.9233, 14.2442



231.2420, -13.9233, -14.2442

# 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.



205.3240, -1.6387, -34.4871



216.7580, 13.9233, 14.2442



210.9410, -20.6769, 5.3137

# Square

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



216.7580, 13.9233, 14.2442



214.7520, -17.1327, 35.2975



208.0570, -13.3391, -14.9590



204.9800, 20.2229, -46.4635



# Rectangle

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



216.7580, 13.9233, 14.2442



215.7100, -3.3080, 34.4573



208.0570, -13.3391, -14.9590



204.1470, 6.8295, -43.9789

# Sweetspot

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



216.7580, 13.9233, 14.2442



246.1730, 4.3517, 4.2333



215.4190, 14.5834, -10.8915



122.4070, 2.7573, 2.2741



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.



216.7580, 13.9233, 14.2442



218.8170, 17.8382, 18.5775



219.4340, 8.6600, 22.4214



114.0590, 3.9149, 4.3333



60.9710, 61.6393, 63.1694



19.2840, 19.5800, 19.9219



# Inverse Universe

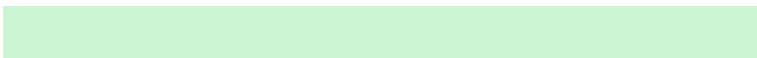
The Inverse Universe completely reimagines the original color for something new.



216.9260, -0.9495, 24.6209



218.9700, -0.9712, 31.5983



228.5660, -8.6600, -22.4214



114.0440, -0.0217, 6.9774



61.6560, -4.2674, 109.0497



19.5790, -1.2714, 34.5722



# Previews

## White Background



This preview shows how the YUV color 216.7580, 13.9233, 14.2442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

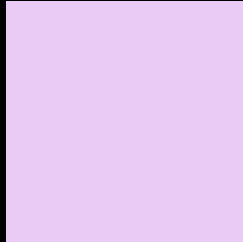
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 216.7580, 13.9233, 14.2442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

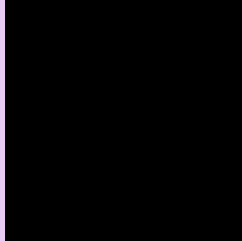
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 216.7580, 13.9233, 14.2442

## Background



This preview shows how black text looks on a background with the YUV color 216.7580, 13.9233, 14.2442.



This preview shows how white text looks on a background with the YUV color 216.7580, 13.9233,



# 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

216.7580, 13.9233, 14.2442

### Protanopia

214.0650, 18.2090, -7.0730

### Deuteranopia

215.3930, 14.1033, 3.1633



## Tritanopia

215.7010, 3.5984, 12.5402

# Trichromacy



## Original Color

216.7580, 13.9233, 14.2442

## Protanomaly

215.0660, 16.7295, 0.8191

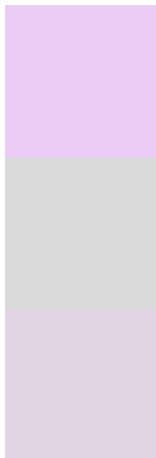
## Deuteranomaly

215.7140, 13.9450, 7.2668

## Tritanomaly

216.3250, 7.2348, 12.8700

# Monochromacy



## Original Color

216.7580, 13.9233, 14.2442

## Achromatopsia

217.0000, 0.0000, 0.0000

## Achromatomaly

216.9990, 4.9305, 5.2629

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 216.7580, 13.9233, 14.2442 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(233, 203, 245)` looks like.

```
.text, #text, p{  
    color:rgb(233, 203, 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(233, 203, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 203, 245) }
```

## Border

The CSS property to change the border of an element to YUV 216.7580, 13.9233, 14.2442 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(233, 203, 245) }
```



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

```
.border{ border-color:rgb(233, 203, 245) }
```

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

Here you see how a box with a 4 pixel rgb(233, 203, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 203, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 203, 245);  
box-shadow:4px 4px 4px 4px rgb(233, 203,  
245) }
```

# Background

The CSS property to change the background color of an element to YUV 216.7580, 13.9233, 14.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 203, 245) }
```

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

```
.background{ background-color: rgb(233,  
203, 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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