

# Converting Colors

YUV(213.5120, 0.2406, 16.2140)

Have a look what the booklet for  
YUV(213.5120, 0.2406, 16.2140)  
contains.

<b>YUV(213.5120, 0.2406, 16.2140)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(213.5120, 0.2406,  
16.2140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CCD6
RGB	232, 204, 214
RGB Percent	91%, 80%, 84%
CMY	0.0902, 0.2000, 0.1608
CMYK	0.00, 0.12, 0.08, 0.09
HSL	339°, 38%, 85%
HSV	339°, 12%, 91%
XYZ	67.0092, 65.1966, 72.6708
YIQ	213.5120, 13.4780, 9.0460

# Conversions

## Conversions Part 2

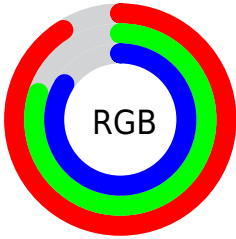
Format	Color
R <sub>Y</sub> B	232, 204, 214
Decimal	15256790
CIE Lab	84.58, 11.45, -1.36
CIE LCh	85, 11.534, 353.230
Yxy	65.1966, 0.3271, 0.3182
Android (android.graphics.Color)	4293446870 (0xFFE8CCD6)
YUV	213.5120, 0.2406, 16.2140
Hunter-Lab	80.7444, 6.8331, 3.1595

# Details

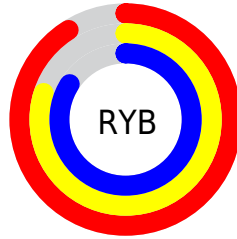
The YUV color  $213.5120, 0.2406, 16.2140$  is a light color, and the websafe version is hex  $\text{FFCCCC}$ . A complement of this color would be  $222.4880, -0.2406, -16.2140$ , and the grayscale version is  $213.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $158.8000, 0.0986, 15.0844$  is the 20% darker color. If you saturate the color by 10%, you get  $198.3010, 0.3446, 29.5540$ , and if you desaturate by 10%, it is  $228.7230, 0.1366, 2.8739$ .

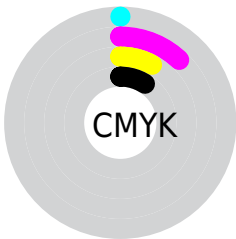
# Distribution



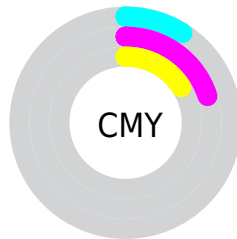
- Red (91%)
- Green (80%)
- Blue (84%)



- Red (91%)
- Yellow (80%)
- Blue (84%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (20%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 213.5120, 0.2406, 16.2140 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 213.5120, 0.2406, 16.2140 by changing the saturation by 10% instead.



■ 213.5120, 0.2406,  
16.2140

■ 213.5120, 0.2406,  
16.2140

255.0000, 0.0000,  
0.0000

■ 186.0990, -0.0488,  
15.6992

■ 158.8000, 0.0986,  
15.0844

■ 132.5010, 0.2460,  
14.4696

■ 107.2020, 0.3934,  
13.8548

■ 82.9030, 0.5408,  
13.2401

■ 59.6040, 0.6882,  
12.6253

■ 37.8920, 0.5462,

11.4957

■ 16.0170, 0.9776,  
13.1401

■ 0.0000, 0.0000,  
0.0000

■ 213.5120, 0.2406,  
16.2140

■ 213.5120, 0.2406,  
16.2140

■ 198.3010, 0.3446,  
29.5540

■ 228.7230, 0.1366,  
2.8739

■ 183.0900, 0.4486,  
42.8941

■ 243.9340, 0.0325,  
-10.4661

■ 167.2920, 0.8420,  
56.7489

■ 248.1230, 3.3904,  
-14.1399

■ 152.0810, 0.9461,  
70.0890

■ 136.8700, 1.0501,  
83.4290

■ 121.7730, 1.5909,  
96.6691

■ 106.5620, 1.6949,  
110.0091

■ 90.7640, 2.0883,  
123.8640

■ 78.8300, 2.0558,  
134.3301

# Harmonies

## Analogous

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



213.1350, 5.3564, 8.6516



213.5120, 0.2406, 16.2140



213.1550, -5.0064, 19.1581

# Triad

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



213.5120, 0.2406, 16.2140



209.8940, -9.3147, 0.9700



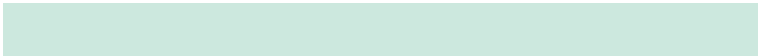
208.6970, 9.5164, -19.0283

# Complementary

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



213.5120, 0.2406, 16.2140



222.4880, -0.2406, -16.2140

# 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.



207.3610, 5.7380, -20.4876



213.5120, 0.2406, 16.2140



208.5660, -5.2090, -9.2664

# Square

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



213.5120, 0.2406, 16.2140



211.0200, -10.3629, 10.5065



207.8900, 0.0542, -17.4435



210.3820, 10.6577, -11.7360



# Rectangle

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



213.5120, 0.2406, 16.2140



212.4600, -7.6218, 18.0136



207.8900, 0.0542, -17.4435



208.4580, 8.6482, -20.5727

# Sweetspot

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



213.5120, 0.2406, 16.2140



248.3320, -0.1637, 5.8478



212.5740, 9.5770, 8.2666



123.3210, -0.1583, 4.1035



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.



213.5120, 0.2406, 16.2140



231.2460, 0.3717, 20.8323



214.7200, -5.2850, 15.1546



107.0440, -0.0217, 6.9774



60.8170, 1.5692, 103.6465



17.3010, 0.3446, 29.5540

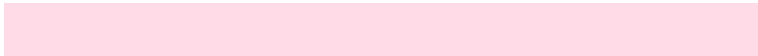


# Inverse Universe

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



213.5120, 0.2406, 16.2140



231.2460, 0.3717, 20.8323



221.2800, 5.2850, -15.1546



107.0440, -0.0217, 6.9774



60.8170, 1.5692, 103.6465

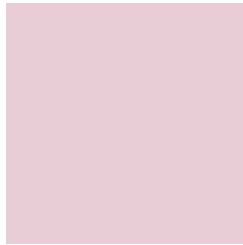


17.3010, 0.3446, 29.5540



# Previews

## White Background



This preview shows how the YUV color 213.5120, 0.2406, 16.2140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

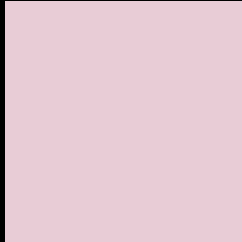
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 213.5120, 0.2406, 16.2140 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 213.5120, 0.2406, 16.2140 Background



This preview shows how black text looks on a background with the YUV color 213.5120, 0.2406, 16.2140.



This preview shows how white text looks on a background with the YUV color 213.5120, 0.2406,



# 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

213.5120, 0.2406, 16.2140

### Protanopia

211.8090, 3.0522, 1.0445

### Deuteranopia

213.5010, 0.2460, 14.4696



## Tritanopia

213.7940, 2.5666, 16.8437

# Trichromacy



## Original Color

213.5120, 0.2406, 16.2140

## Protanomaly

212.6140, 2.1623, 6.4775

## Deuteranomaly

213.8000, 0.0986, 15.0844

## Tritanomaly

213.5660, 1.6930, 17.0436

# Monochromacy



## Original Color

213.5120, 0.2406, 16.2140

## Achromatopsia

214.0000, 0.0000, 0.0000

## Achromatomaly

213.7450, 0.1257, 6.3626

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 213.5120, 0.2406, 16.2140 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(232, 204, 214)` looks like.

```
.text, #text, p{  
    color:rgb(232, 204, 214)  
}
```

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(232, 204, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 204, 214) }
```

## Border

The CSS property to change the border of an element to YUV 213.5120, 0.2406, 16.2140 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(232, 204, 214) }
```



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

```
.border{ border-color:rgb(232, 204, 214) }
```

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

Here you see how a box with a 4 pixel rgb(232, 204, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(232, 204,  
214) }
```

# Background

The CSS property to change the background color of an element to YUV 213.5120, 0.2406, 16.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 204, 214) }
```

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

```
.background{ background-color: rgb(232,  
204, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor