

# Converting Colors

$Yxy(65.9815, 0.3288, 0.3213)$

Have a look what the booklet for  
Yxy(65.9815, 0.3288, 0.3213)  
contains.

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# Color

**Yxy(65.7904, 0.3285, 0.3204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9CDD5
RGB	233, 205, 213
RGB Percent	91%, 80%, 84%
CMY	0.0861, 0.1961, 0.1647
CMYK	0.00, 0.12, 0.09, 0.09
HSL	343°, 39%, 86%
HSV	343°, 12%, 91%
XYZ	67.4536, 65.7904, 72.0943
YIQ	214.2840, 14.1200, 8.4240

# Conversions

## Conversions Part 2

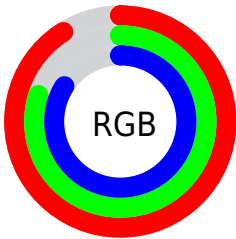
Format	Color
R <sub>Y</sub> B	233, 205, 213
Decimal	15322581
CIE Lab	84.89, 11.12, -0.37
CIE LCh	85, 11.129, 358.088
Yxy	65.7904, 0.3285, 0.3204
Android (android.graphics.Color)	4293512661 (0xFFE9CDD5)
YUV	214.2840, -0.6330, 16.4139
Hunter-Lab	81.1113, 6.4992, 4.0791

# Details

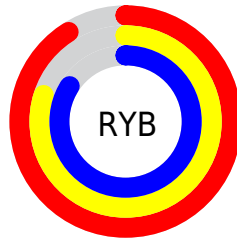
The Yxy color **65.7904, 0.3285, 0.3204** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.7127, 0.2991, 0.3378**, and the grayscale version is **67.4474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.9490, 0.3326, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **54.6603, 0.3450, 0.3128**, and if you desaturate by 10%, it is **78.6735, 0.3151, 0.3276**.

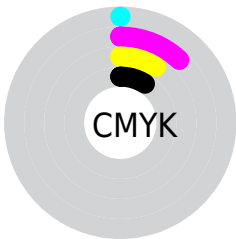
# Distribution



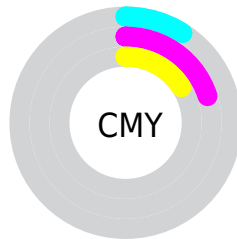
- Red (91%)
- Green (80%)
- Blue (84%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7904, 0.3285, 0.3204 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 Yxy color 65.7904, 0.3285, 0.3204 by changing the saturation by 10% instead.



 65.7904, 0.3285,  
0.3204

 65.7904, 0.3285,  
0.3204


445.6269, 0.3211,  
0.3245

 48.1023, 0.3302,  
0.3195


113.1854, 0.3259,  
0.3218

 33.9079, 0.3324,  
0.3183


143.6612, 0.3249,  
0.3224

 22.8228, 0.3352,  
0.3168

179.1682, 0.3240,  
0.3228

 14.4628, 0.3389,  
0.3148

220.0909, 0.3233,  
0.3233

 8.4432, 0.3440,  
0.3120

266.8138, 0.3226,  
0.3236

 4.3798, 0.3516,  
0.3079

319.7211, 0.3220,

 1.8882, 0.3641,

0.3239

0.3011

379.1974, 0.3215,  
0.3242

0.5413, 0.4046,  
0.2786

0.0000, 0.0000,  
0.0000

65.7904, 0.3285,  
0.3204

65.7904, 0.3285,  
0.3204

54.6603, 0.3450,  
0.3128

78.6735, 0.3151,  
0.3276

45.1986, 0.3651,  
0.3050

93.3718, 0.3042,  
0.3343

37.3270, 0.3896,  
0.2973

96.0692, 0.2994,  
0.3290

30.9573, 0.4186,  
0.2906

■ 25.9926, 0.4521,  
0.2855

■ 22.3246, 0.4888,  
0.2834

■ 19.8291, 0.5264,  
0.2854

■ 18.3569, 0.5611,  
0.2920

■ 17.7291, 0.5849,  
0.2996

# Harmonies

## Analogous

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



65.7904, 0.3151, 0.3109



65.7904, 0.3285, 0.3204



65.7904, 0.3377, 0.3323

# Triad

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



65.7904, 0.3285, 0.3204



65.7904, 0.3237, 0.3532



65.7904, 0.2862, 0.3136

# Complementary

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



65.7904, 0.3285, 0.3204



76.7127, 0.2991, 0.3378

# 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.



65.7904, 0.2884, 0.3249



65.7904, 0.3285, 0.3204



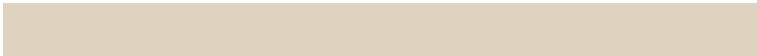
65.7904, 0.3099, 0.3482

# Square

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



65.7904, 0.3285, 0.3204



65.7904, 0.3348, 0.3514



65.7904, 0.2970, 0.3377



65.7904, 0.2909, 0.3068



# Rectangle

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



65.7904, 0.3285, 0.3204



65.7904, 0.3401, 0.3401



65.7904, 0.2970, 0.3377



65.7904, 0.2861, 0.3170

# Sweetspot

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



65.7933, 0.3285, 0.3204



93.2034, 0.3176, 0.3262



65.4918, 0.3079, 0.2988



19.6844, 0.3185, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7933, 0.3285, 0.3204



77.7645, 0.3316, 0.3189



68.1278, 0.3337, 0.3351



15.1248, 0.3248, 0.3223



10.0751, 0.5810, 0.2974



0.8072, 0.5415, 0.2757



# Inverse Universe

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



65.7933, 0.3285, 0.3204



77.7645, 0.3316, 0.3189



74.0347, 0.2942, 0.3228



15.1248, 0.3248, 0.3223



10.0751, 0.5810, 0.2974



0.8072, 0.5415, 0.2757



# Previews

## White Background



This preview shows how the Yxy color 65.7904, 0.3285, 0.3204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

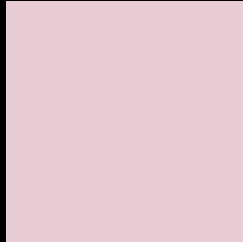
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7904, 0.3285, 0.3204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

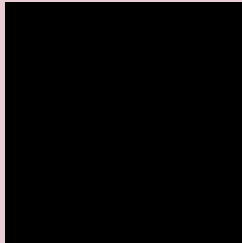
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7904, 0.3285, 0.3204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7904, 0.3285, 0.3204.



This preview shows how white text looks on a background with the Yxy color 65.7904, 0.3285, 0.3204.

# 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

65.7904, 0.3285, 0.3204

### Protanopia

65.9935, 0.3122, 0.3234

### Deuteranopia

65.6225, 0.3277, 0.3204



## Tritanopia

65.8455, 0.3242, 0.3119

# Trichromacy



## Original Color

65.7904, 0.3285, 0.3204

## Protanomaly

66.0368, 0.3183, 0.3224

## Deuteranomaly

65.6225, 0.3277, 0.3204

## Tritanomaly

65.6879, 0.3264, 0.3151

# Monochromacy



## Original Color

65.7904, 0.3285, 0.3204

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.8157, 0.3181, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7904, 0.3285, 0.3204 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, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(233, 205, 213)  
}
```

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, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 205, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7904, 0.3285, 0.3204 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, 205, 213) }
```

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

```
.border{ border-color:rgb(233, 205, 213) }
```

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

Here you see how a box with a 4 pixel rgb(233, 205, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(233, 205,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7904, 0.3285, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 205, 213) }
```

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

```
.background{ background-color: rgb(233,  
205, 213) }
```

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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