

# Converting Colors

Yxy(64.4678, 0.3194, 0.3169)

Have a look what the booklet for  
Yxy(64.4678, 0.3194, 0.3169)  
contains.

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# Color

**Yxy(64.4678, 0.3194, 0.3169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0CDD8
RGB	224, 205, 216
RGB Percent	88%, 80%, 85%
CMY	0.1214, 0.1961, 0.1529
CMYK	0.00, 0.09, 0.04, 0.12
HSL	325°, 24%, 84%
HSV	325°, 9%, 88%
XYZ	64.9764, 64.4678, 73.9884
YIQ	211.9350, 7.7930, 7.4490

# Conversions

## Conversions Part 2

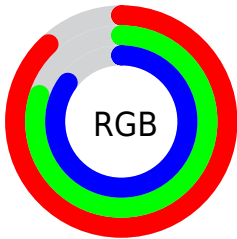
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 205, 216
Decimal	14732760
CIE <sub>Lab</sub>	84.21, 8.53, -3.06
CIE <sub>LCh</sub>	84, 9.060, 340.272
Yxy	64.4678, 0.3194, 0.3169
Android (android.graphics.Color)	4292922840 (0xFFE0CDD8)
YUV	211.9350, 2.0040, 10.5810
Hunter-Lab	80.2918, 3.9409, 1.5689

# Details

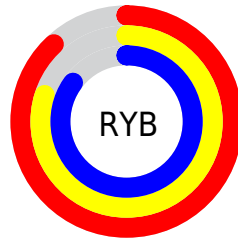
The Yxy color **64.4678, 0.3194, 0.3169** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.1171, 0.3066, 0.3414**, and the grayscale version is **65.7802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.1414, 0.3215, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **54.0342, 0.3287, 0.3020**, and if you desaturate by 10%, it is **76.4698, 0.3116, 0.3311**.

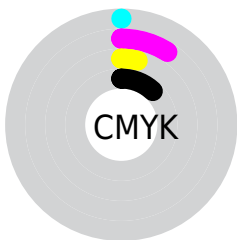
# Distribution



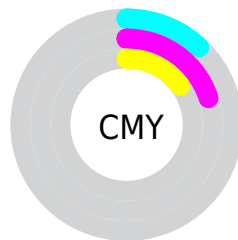
- Red (88%)
- Green (80%)
- Blue (85%)



- Red (88%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (9%)
- Yellow (4%)
- Black (12%)



- Cyan (12%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4678, 0.3194, 0.3169 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 64.4678, 0.3194, 0.3169 by changing the saturation by 10% instead.



64.4678, 0.3194,  
0.3169

64.4678, 0.3194,  
0.3169

440.8770, 0.3163,  
0.3226

47.0297, 0.3201,  
0.3156

111.2844, 0.3183,  
0.3189

33.0591, 0.3210,  
0.3139

141.4316, 0.3179,  
0.3197

22.1717, 0.3222,  
0.3119

176.5840, 0.3175,  
0.3203

13.9831, 0.3237,  
0.3091

217.1259, 0.3172,  
0.3209

8.1089, 0.3258,  
0.3053

263.4418, 0.3169,  
0.3214

4.1647, 0.3290,  
0.2997

315.9160, 0.3167,

1.7661, 0.3340,

0.3218

374.9329, 0.3165,  
0.3222

0.2905

0.4659, 0.3542,  
0.2535

0.0000, 0.0000,  
0.0000

64.4678, 0.3194,  
0.3169

64.4678, 0.3194,  
0.3169

54.0342, 0.3287,  
0.3020

76.4698, 0.3116,  
0.3311

45.0952, 0.3397,  
0.2867

90.0933, 0.3052,  
0.3443

37.5836, 0.3527,  
0.2714

93.9272, 0.2999,  
0.3398

31.4238, 0.3677,  
0.2569

94.5172, 0.2947,  
0.3301

■ 26.5330, 0.3847,  
0.2442

■ 94.5940, 0.2941,  
0.3289

■ 22.8195, 0.4033,  
0.2344

■ 20.1787, 0.4230,  
0.2287

■ 18.4877, 0.4429,  
0.2282

■ 17.5645, 0.4623,  
0.2328

# Harmonies

## Analogous

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



64.4678, 0.3079, 0.3111



64.4678, 0.3194, 0.3169



64.4678, 0.3293, 0.3258

# Triad

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



64.4678, 0.3194, 0.3169



64.4678, 0.3276, 0.3486



64.4678, 0.2913, 0.3217

# Complementary

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



64.4678, 0.3194, 0.3169



71.1171, 0.3066, 0.3414

# 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.



64.4678, 0.2964, 0.3320



64.4678, 0.3194, 0.3169



64.4678, 0.3173, 0.3478

# Square

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



64.4678, 0.3194, 0.3169



64.4678, 0.3340, 0.3441



64.4678, 0.3058, 0.3416



64.4678, 0.2918, 0.3136



# Rectangle

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



64.4678, 0.3194, 0.3169



64.4678, 0.3335, 0.3325



64.4678, 0.3058, 0.3416



64.4678, 0.2924, 0.3250

# Sweetspot

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



64.4706, 0.3194, 0.3169



95.0097, 0.3150, 0.3248



63.1780, 0.3054, 0.3077



20.0576, 0.3156, 0.3236



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.



64.4706, 0.3194, 0.3169



84.1223, 0.3207, 0.3146



63.9968, 0.3262, 0.3273



13.8328, 0.3202, 0.3155



10.1785, 0.4624, 0.2321



0.7233, 0.4347, 0.2168



# Inverse Universe

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



64.4706, 0.3194, 0.3169



84.1223, 0.3207, 0.3146



71.6100, 0.3006, 0.3307



13.8328, 0.3202, 0.3155



10.1785, 0.4624, 0.2321

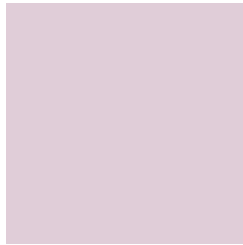


0.7233, 0.4347, 0.2168



# Previews

## White Background



This preview shows how the Yxy color 64.4678, 0.3194, 0.3169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

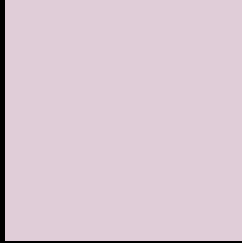
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4678, 0.3194, 0.3169 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 64.4678, 0.3194, 0.3169**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4678, 0.3194, 0.3169.

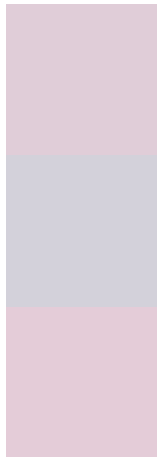


This preview shows how white text looks on a background with the Yxy color 64.4678, 0.3194, 0.3169.

# 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

64.4678, 0.3194, 0.3169

### Protanopia

64.5118, 0.3080, 0.3188

### Deuteranopia

64.6376, 0.3225, 0.3159



## Tritanopia

64.3606, 0.3173, 0.3115

# Trichromacy



## Original Color

64.4678, 0.3194, 0.3169

## Protanomaly

64.7204, 0.3124, 0.3190

## Deuteranomaly

64.4745, 0.3218, 0.3159

## Tritanomaly

64.3078, 0.3181, 0.3126

# Monochromacy



## Original Color

64.4678, 0.3194, 0.3169

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.0040, 0.3152, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4678, 0.3194, 0.3169 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(224, 205, 216)` looks like.

```
.text, #text, p{  
    color:rgb(224, 205, 216)  
}
```

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(224, 205, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 205, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4678, 0.3194, 0.3169 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(224, 205, 216) }
```

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

```
.border{ border-color:rgb(224, 205, 216) }
```

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

Here you see how a box with a 4 pixel rgb(224, 205, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 205, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 205, 216);  
box-shadow:4px 4px 4px 4px rgb(224, 205,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4678, 0.3194, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 205, 216) }
```

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

```
.background{ background-color: rgb(224,  
205, 216) }
```

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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