

# Converting Colors

Yxy(64.4524, 0.3231, 0.3159)

Have a look what the booklet for  
Yxy(64.4524, 0.3231, 0.3159)  
contains.

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# Color

**Yxy(64.6376, 0.3225, 0.3159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CCD8
RGB	228, 204, 216
RGB Percent	89%, 80%, 85%
CMY	0.1058, 0.2000, 0.1528
CMYK	0.00, 0.11, 0.05, 0.11
HSL	330°, 31%, 85%
HSV	330°, 11%, 89%
XYZ	65.9881, 64.6376, 73.9885
YIQ	212.5440, 10.4520, 8.8200

# Conversions

## Conversions Part 2

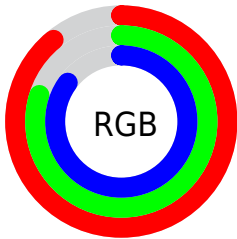
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 204, 216
Decimal	14994648
CIE Lab	84.30, 10.42, -2.91
CIE LCh	84, 10.821, 344.418
Yxy	64.6376, 0.3225, 0.3159
Android (android.graphics.Color)	4293184728 (0xFFE4CCD8)
YUV	212.5440, 1.7038, 13.5549
Hunter-Lab	80.3975, 5.8122, 1.7147

# Details

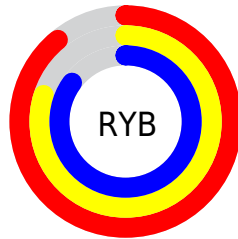
The Yxy color  $64.6376, 0.3225, 0.3159$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $73.2854, 0.3039, 0.3425$ , and the grayscale version is  $66.2059, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.1566, 0.3246, 0.3133$  is the 20% darker color. If you saturate the color by 10%, you get  $54.0155, 0.3338, 0.3028$ , and if you desaturate by 10%, it is  $76.8926, 0.3132, 0.3284$ .

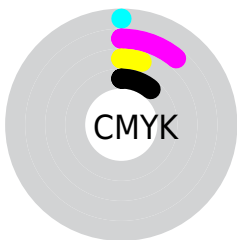
# Distribution



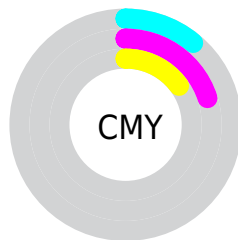
- Red (89%)
- Green (80%)
- Blue (85%)



- Red (89%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (11%)
- Yellow (5%)
- Black (11%)




- Cyan (11%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6376, 0.3225, 0.3159 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 64.6376, 0.3225, 0.3159 by changing the saturation by 10% instead.




 64.6376, 0.3225,  
0.3159

 64.6376, 0.3225,  
0.3159


441.4885, 0.3179,  
0.3220

 47.1673, 0.3236,  
0.3145

111.5287, 0.3209,  
0.3180

 33.1679, 0.3249,  
0.3127


141.7182, 0.3203,  
0.3189

 22.2551, 0.3266,  
0.3105


176.9163, 0.3197,  
0.3196

 14.0445, 0.3288,  
0.3075

217.5073, 0.3193,  
0.3202

 8.1516, 0.3320,  
0.3034

263.8756, 0.3189,  
0.3208

 4.1921, 0.3366,  
0.2973

316.4057, 0.3185,

 1.7816, 0.3441,

0.3212

0.2876

375.4819, 0.3182,  
0.3217

0.4757, 0.3712,  
0.2499

0.0000, 0.0000,  
0.0000

64.6376, 0.3225,  
0.3159

64.6376, 0.3225,  
0.3159

54.0155, 0.3338,  
0.3028

76.8926, 0.3132,  
0.3284

44.9485, 0.3473,  
0.2893

90.8374, 0.3055,  
0.3400

37.3648, 0.3633,  
0.2760

94.9266, 0.2990,  
0.3338

31.1837, 0.3819,  
0.2636

95.2355, 0.2964,  
0.3290

■ 26.3167, 0.4031,  
0.2530

■ 22.6654, 0.4265,  
0.2457

■ 20.1168, 0.4511,  
0.2427

■ 18.5367, 0.4758,  
0.2451

■ 17.7177, 0.4982,  
0.2518

# Harmonies

## Analogous

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



64.6376, 0.3088, 0.3084



64.6376, 0.3225, 0.3159



64.6376, 0.3338, 0.3268

# Triad

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



64.6376, 0.3225, 0.3159



64.6376, 0.3290, 0.3527



64.6376, 0.2869, 0.3186

# Complementary

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



64.6376, 0.3225, 0.3159



73.2854, 0.3039, 0.3425

# 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.



64.6376, 0.2920, 0.3307



64.6376, 0.3225, 0.3159



64.6376, 0.3162, 0.3508

# Square

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



64.6376, 0.3225, 0.3159



64.6376, 0.3375, 0.3480



64.6376, 0.3027, 0.3427



64.6376, 0.2884, 0.3097



# Rectangle

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



64.6376, 0.3225, 0.3159



64.6376, 0.3382, 0.3347



64.6376, 0.3027, 0.3427



64.6376, 0.2879, 0.3224

# Sweetspot

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



64.6404, 0.3225, 0.3159



94.9725, 0.3153, 0.3253



63.3257, 0.3047, 0.3024



20.0476, 0.3160, 0.3243



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.



64.6404, 0.3225, 0.3159



79.6237, 0.3252, 0.3126



64.0594, 0.3311, 0.3286



14.4879, 0.3214, 0.3173



10.2539, 0.4948, 0.2500



0.7765, 0.4626, 0.2322



# Inverse Universe

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



64.6404, 0.3225, 0.3159



79.6237, 0.3252, 0.3126



73.9088, 0.2968, 0.3294



14.4879, 0.3214, 0.3173



10.2539, 0.4948, 0.2500



0.7765, 0.4626, 0.2322



# Previews

## White Background



This preview shows how the Yxy color 64.6376, 0.3225, 0.3159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

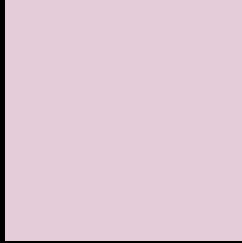
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6376, 0.3225, 0.3159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

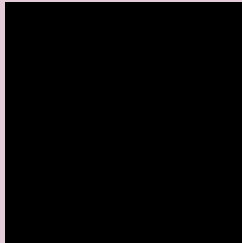
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6376, 0.3225, 0.3159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6376, 0.3225, 0.3159.



This preview shows how white text looks on a background with the Yxy color 64.6376, 0.3225, 0.3159.

# 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

64.6376, 0.3225, 0.3159

### Protanopia

64.7125, 0.3081, 0.3178

### Deuteranopia

64.6376, 0.3225, 0.3159



## Tritanopia

64.3203, 0.3204, 0.3116

# Trichromacy



## Original Color

64.6376, 0.3225, 0.3159

## Protanomaly

64.5930, 0.3133, 0.3168

## Deuteranomaly

64.6376, 0.3225, 0.3159

## Tritanomaly

64.2678, 0.3212, 0.3127

# Monochromacy



## Original Color

64.6376, 0.3225, 0.3159

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.8537, 0.3159, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6376, 0.3225, 0.3159 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(228, 204, 216)` looks like.

```
.text, #text, p{  
    color:rgb(228, 204, 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(228, 204, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 204, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6376, 0.3225, 0.3159 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(228, 204, 216) }
```

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

```
.border{ border-color:rgb(228, 204, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 204, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 204, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 204, 216); box-shadow:4px 4px 4px 4px rgb(228, 204, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6376, 0.3225, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 204, 216) }
```

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

```
.background{ background-color: rgb(228,  
204, 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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