

# Converting Colors

Yxy(64.2163, 0.3103, 0.3008)

Have a look what the booklet for  
Yxy(64.2163, 0.3103, 0.3008)  
contains.

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# Color

**Yxy(64.2163, 0.3103, 0.3008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CBE5
RGB	224, 203, 229
RGB Percent	88%, 80%, 90%
CMY	0.1215, 0.2039, 0.1020
CMYK	0.02, 0.11, 0.00, 0.10
HSL	289°, 33%, 85%
HSV	289°, 11%, 90%
XYZ	66.2444, 64.2163, 83.0243
YIQ	212.2430, 4.1700, 12.5380

# Conversions

## Conversions Part 2

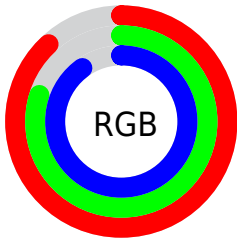
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 203, 229
Decimal	14732261
CIE <sub>Lab</sub>	84.08, 11.94, -10.17
CIE <sub>LCh</sub>	84, 15.681, 319.577
Yxy	64.2163, 0.3103, 0.3008
Android (android.graphics.Color)	4292922341 (0xFFE0CBE5)
YUV	212.2430, 8.2612, 10.3109
Hunter-Lab	80.1351, 7.3223, -5.3331

# Details

The Yxy color **64.2163, 0.3103, 0.3008** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.7489, 0.3148, 0.3582**, and the grayscale version is **65.9536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.9859, 0.3094, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **53.5011, 0.3076, 0.2748**, and if you desaturate by 10%, it is **76.5523, 0.3125, 0.3257**.

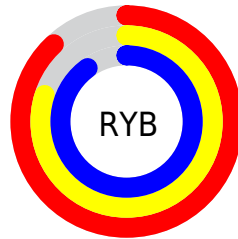
# Distribution



Red (88%)

Green (80%)

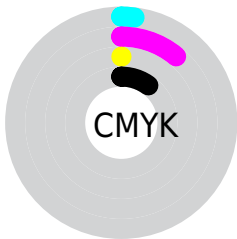
Blue (90%)



Red (88%)

Yellow (80%)

Blue (90%)

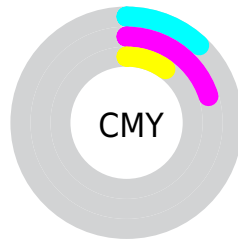


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (10%)



Cyan (12%)

Magenta (20%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2163, 0.3103, 0.3008 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 64.2163, 0.3103, 0.3008 by changing the saturation by 10% instead.



64.2163, 0.3103,  
0.3008

64.2163, 0.3103,  
0.3008

439.9703, 0.3116,  
0.3139

46.8259, 0.3100,  
0.2978

110.9224, 0.3108,  
0.3053

32.8980, 0.3096,  
0.2941

141.0068, 0.3109,  
0.3071

22.0483, 0.3090,  
0.2894

176.0914, 0.3111,  
0.3086

13.8924, 0.3082,  
0.2833

216.5606, 0.3112,  
0.3099

8.0459, 0.3071,  
0.2749

262.7986, 0.3113,  
0.3111

4.1243, 0.3052,  
0.2628

315.1900, 0.3114,

1.7433, 0.3019,

0.3121

0.2438

374.1191, 0.3115,  
0.3131

0.4515, 0.3009,  
0.1885

0.0000, 0.0000,  
0.0000

64.2163, 0.3103,  
0.3008

64.2163, 0.3103,  
0.3008

53.5011, 0.3076,  
0.2748

76.5523, 0.3125,  
0.3257

44.3286, 0.3045,  
0.2484

90.5664, 0.3142,  
0.3492

36.6265, 0.3007,  
0.2223

95.2054, 0.3166,  
0.3551

30.3134, 0.2965,  
0.1977

95.9676, 0.3193,  
0.3549

■ 25.2999, 0.2919,  
0.1755

■ 96.7482, 0.3221,  
0.3547

■ 21.4861, 0.2869,  
0.1568

■ 97.5474, 0.3249,  
0.3545

■ 18.7576, 0.2818,  
0.1425

■ 98.3653, 0.3277,  
0.3542

■ 16.9771, 0.2767,  
0.1327

■ 98.4366, 0.3280,  
0.3542

■ 16.0063, 0.2724,  
0.1274

# Harmonies

## Analogous

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



64.2163, 0.2917, 0.2960



64.2163, 0.3103, 0.3008



64.2163, 0.3301, 0.3125

# Triad

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



64.2163, 0.3103, 0.3008



64.2163, 0.3472, 0.3582



64.2163, 0.2809, 0.3281

# Complementary

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



64.2163, 0.3103, 0.3008



73.7489, 0.3148, 0.3582

# 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.



64.2163, 0.2950, 0.3462



64.2163, 0.3103, 0.3008



64.2163, 0.3333, 0.3638

# Square

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



64.2163, 0.3103, 0.3008



64.2163, 0.3518, 0.3451



64.2163, 0.3142, 0.3596



64.2163, 0.2752, 0.3110



# Rectangle

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



64.2163, 0.3103, 0.3008



64.2163, 0.3411, 0.3229



64.2163, 0.3142, 0.3596



64.2163, 0.2848, 0.3344

# Sweetspot

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



64.2191, 0.3103, 0.3008



94.9399, 0.3121, 0.3217



63.5600, 0.2949, 0.3054



20.0386, 0.3120, 0.3197



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.



64.2191, 0.3103, 0.3008



78.0302, 0.3096, 0.2938



64.5977, 0.3196, 0.3093



14.4689, 0.3107, 0.3056



9.2026, 0.2731, 0.1278



0.7159, 0.2805, 0.1319



# Inverse Universe

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



63.9189, 0.3293, 0.3236



77.5770, 0.3339, 0.3222



73.4223, 0.3065, 0.3495



14.4127, 0.3263, 0.3245



9.6401, 0.6093, 0.3130

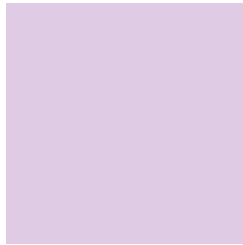


0.7251, 0.5701, 0.2914



# Previews

## White Background



This preview shows how the Yxy color 64.2163, 0.3103, 0.3008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

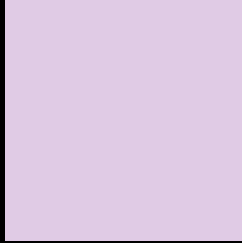
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2163, 0.3103, 0.3008 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

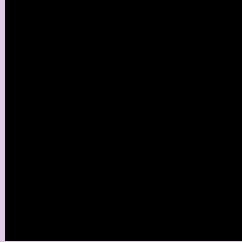
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.2163, 0.3103, 0.3008**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2163, 0.3103, 0.3008.



This preview shows how white text looks on a background with the Yxy color 64.2163, 0.3103, 0.3008.

# 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

64.2163, 0.3103, 0.3008

### Protanopia

64.2033, 0.2958, 0.3022

### Deuteranopia

64.2150, 0.3080, 0.3017



## Tritanopia

64.0410, 0.3158, 0.3114

# Trichromacy



## Original Color

64.2163, 0.3103, 0.3008

## Protanomaly

64.0583, 0.3007, 0.3013

## Deuteranomaly

64.3725, 0.3087, 0.3018

## Tritanomaly

64.2014, 0.3137, 0.3082

# Monochromacy



## Original Color

64.2163, 0.3103, 0.3008

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.2618, 0.3117, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2163, 0.3103, 0.3008 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, 203, 229)` looks like.

```
.text, #text, p{  
    color:rgb(224, 203, 229)  
}
```

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, 203, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 203, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2163, 0.3103, 0.3008 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, 203, 229) }
```

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

```
.border{ border-color:rgb(224, 203, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 203, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 203, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 203, 229);  
box-shadow:4px 4px 4px 4px rgb(224, 203,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2163, 0.3103, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 203, 229) }
```

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

```
.background{ background-color: rgb(224,  
203, 229) }
```

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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