

# Converting Colors

Yxy(66.4759, 0.3184, 0.3113)

Have a look what the booklet for  
Yxy(66.4759, 0.3184, 0.3113)  
contains.

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# Color

**Yxy(66.6114, 0.3180, 0.3118)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5CFDF
RGB	229, 207, 223
RGB Percent	90%, 81%, 87%
CMY	0.1021, 0.1882, 0.1255
CMYK	0.00, 0.10, 0.03, 0.10
HSL	316°, 30%, 85%
HSV	316°, 10%, 90%
XYZ	67.9359, 66.6114, 79.0877
YIQ	215.4020, 7.9760, 9.6400

# Conversions

## Conversions Part 2

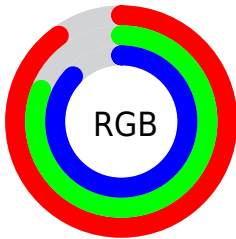
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 207, 223
Decimal	15060959
CIE <sub>Lab</sub>	85.31, 10.38, -5.11
CIE <sub>LCh</sub>	85, 11.573, 333.774
Y <sub>xy</sub>	66.6114, 0.3180, 0.3118
Android (android.graphics.Color)	4293251039 (0xFFE5CFDF)
YUV	215.4020, 3.7458, 11.9254
Hunter-Lab	81.6158, 5.7534, -0.3224

# Details

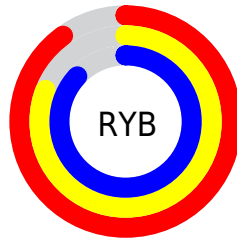
The Yxy color **66.6114, 0.3180, 0.3118** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0893, 0.3078, 0.3468**, and the grayscale version is **68.2108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4939, 0.3187, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **55.9820, 0.3244, 0.2931**, and if you desaturate by 10%, it is **78.8677, 0.3125, 0.3297**.

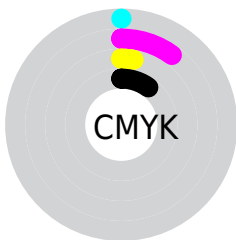
# Distribution



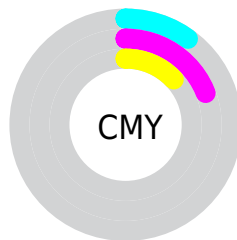
- Red (90%)
- Green (81%)
- Blue (87%)



- Red (90%)
- Yellow (81%)
- Blue (87%)



- Cyan (0%)
- Magenta (10%)
- Yellow (3%)
- Black (10%)



- Cyan (10%)
- Magenta (19%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6114, 0.3180, 0.3118 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 66.6114, 0.3180, 0.3118 by changing the saturation by 10% instead.



66.6114, 0.3180,  
0.3118

66.6114, 0.3180,  
0.3118

448.5603, 0.3156,  
0.3198

48.7689, 0.3186,  
0.3100

114.3634, 0.3172,  
0.3146

34.4362, 0.3192,  
0.3077

145.0417, 0.3168,  
0.3157

23.2289, 0.3201,  
0.3048

180.7674, 0.3166,  
0.3166

14.7626, 0.3212,  
0.3011

221.9248, 0.3163,  
0.3174

8.6529, 0.3227,  
0.2959

268.8984, 0.3161,  
0.3181

4.5155, 0.3249,  
0.2884

322.0726, 0.3159,

1.9659, 0.3283,

0.3187

0.2766

381.8318, 0.3157,  
0.3193

0.5876, 0.3387,  
0.2451

0.0000, 0.0000,  
0.0000

66.6114, 0.3180,  
0.3118

66.6114, 0.3180,  
0.3118

55.9820, 0.3244,  
0.2931

78.8677, 0.3125,  
0.3297

46.9017, 0.3319,  
0.2741

92.8071, 0.3079,  
0.3466

39.2994, 0.3405,  
0.2555

94.5626, 0.3043,  
0.3424

33.0949, 0.3500,  
0.2379

94.9422, 0.3008,  
0.3361

■ 28.2006, 0.3605,  
0.2225

■ 95.3346, 0.2974,  
0.3298

■ 24.5186, 0.3715,  
0.2104

■ 95.3919, 0.2970,  
0.3290

■ 21.9374, 0.3829,  
0.2024

■ 20.3249, 0.3941,  
0.1993

■ 19.4628, 0.4050,  
0.2007

# Harmonies

## Analogous

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



66.6114, 0.3035, 0.3056



66.6114, 0.3180, 0.3118



66.6114, 0.3313, 0.3223

# Triad

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



66.6114, 0.3180, 0.3118



66.6114, 0.3338, 0.3531



66.6114, 0.2865, 0.3223

# Complementary

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



66.6114, 0.3180, 0.3118



74.0893, 0.3078, 0.3468

# 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.



66.6114, 0.2943, 0.3356



66.6114, 0.3180, 0.3118



66.6114, 0.3215, 0.3536

# Square

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



66.6114, 0.3180, 0.3118



66.6114, 0.3405, 0.3460



66.6114, 0.3070, 0.3472



66.6114, 0.2856, 0.3113



# Rectangle

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



66.6114, 0.3180, 0.3118



66.6114, 0.3376, 0.3306



66.6114, 0.3070, 0.3472



66.6114, 0.2884, 0.3266

# Sweetspot

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



66.6143, 0.3180, 0.3118



95.0826, 0.3143, 0.3237



64.4165, 0.3020, 0.3047



20.0773, 0.3147, 0.3222



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.



66.6143, 0.3180, 0.3118



81.4825, 0.3195, 0.3072



66.0471, 0.3258, 0.3235



14.5449, 0.3179, 0.3120



11.1358, 0.4039, 0.1999



0.8383, 0.3890, 0.1917



# Inverse Universe

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



66.6143, 0.3180, 0.3118



81.4825, 0.3195, 0.3072



74.6594, 0.3011, 0.3346



14.5449, 0.3179, 0.3120



11.1358, 0.4039, 0.1999

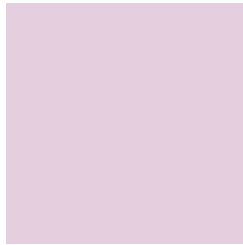


0.8383, 0.3890, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 66.6114, 0.3180, 0.3118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

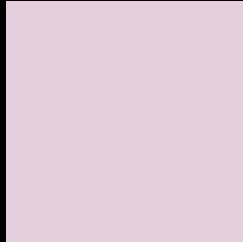
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6114, 0.3180, 0.3118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

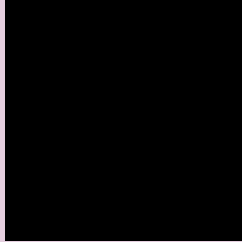
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.6114, 0.3180, 0.3118**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6114, 0.3180, 0.3118.

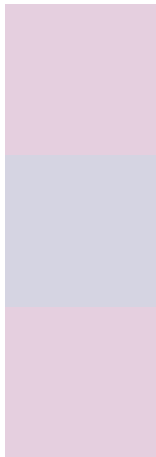


This preview shows how white text looks on a background with the Yxy color 66.6114, 0.3180, 0.3118.

# 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

66.6114, 0.3180, 0.3118

### Protanopia

66.7241, 0.3040, 0.3135

### Deuteranopia

66.6114, 0.3180, 0.3118



## Tritanopia

66.6114, 0.3180, 0.3118

# Trichromacy



## Original Color

66.6114, 0.3180, 0.3118

## Protanomaly

66.5895, 0.3091, 0.3125

## Deuteranomaly

66.6114, 0.3180, 0.3118

## Tritanomaly

66.6114, 0.3180, 0.3118

# Monochromacy



## Original Color

66.6114, 0.3180, 0.3118

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.3646, 0.3145, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6114, 0.3180, 0.3118 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(229, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(229, 207, 223)  
}
```

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(229, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 207, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6114, 0.3180, 0.3118 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(229, 207, 223) }
```

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

```
.border{ border-color:rgb(229, 207, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 207, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(229, 207,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6114, 0.3180, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 207, 223) }
```

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

```
.background{ background-color: rgb(229,  
207, 223) }
```

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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