

Converting Colors

$Yxy(64.7004, 0.3078, 0.2912)$

Have a look what the booklet for
Yxy(64.7004, 0.3078, 0.2912)
contains.

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Color

Yxy(64.8495, 0.3077, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	E4CAED
RGB	228, 202, 237
RGB Percent	89%, 79%, 93%
CMY	0.1059, 0.2078, 0.0704
CMYK	0.04, 0.15, 0.00, 0.07
HSL	285°, 49%, 86%
HSV	285°, 15%, 93%
XYZ	68.4066, 64.8495, 89.0597
YIQ	213.7640, 4.2610, 16.3970

Conversions

Conversions Part 2

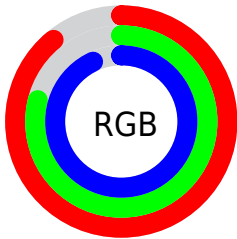
Format	Color
R _Y B	228, 202, 237
Decimal	14994157
CIE Lab	84.41, 15.30, -13.93
CIE LCh	84, 20.686, 317.682
Yxy	64.8495, 0.3077, 0.2917
Android (android.graphics.Color)	4293184237 (0xFFE4CAED)
YUV	213.7640, 11.4553, 12.4850
Hunter-Lab	80.5292, 10.7030, -9.2002

Details

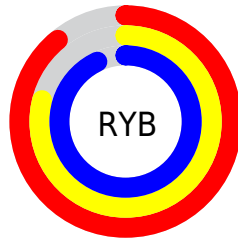
The Yxy color **64.8495, 0.3077, 0.2917** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.7073, 0.3169, 0.3677**, and the grayscale version is **67.0007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2867, 0.3060, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **53.5883, 0.3035, 0.2650**, and if you desaturate by 10%, it is **77.8599, 0.3112, 0.3173**.

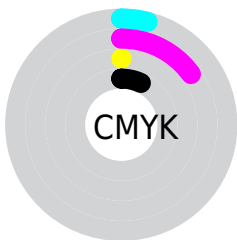
Distribution



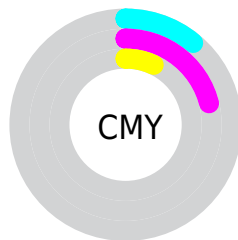
- Red (89%)
- Green (79%)
- Blue (93%)



- Red (89%)
- Yellow (79%)
- Blue (93%)



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8495, 0.3077, 0.2917 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 64.8495, 0.3077, 0.2917 by changing the saturation by 10% instead.

64.8495, 0.3077,
0.2917

64.8495, 0.3077,
0.2917

442.2509, 0.3103,
0.3088

47.3391, 0.3071,
0.2878

111.8335, 0.3086,
0.2976

33.3038, 0.3062,
0.2830

142.0758, 0.3090,
0.2999

22.3593, 0.3052,
0.2770

177.3308, 0.3093,
0.3019

14.1211, 0.3037,
0.2692

217.9830, 0.3095,
0.3037

8.2049, 0.3015,
0.2586

264.4167, 0.3097,
0.3052

4.2264, 0.2981,
0.2436

317.0163, 0.3099,

1.8010, 0.2921,

0.3065

0.2207

376.1663, 0.3101,
0.3077

0.4878, 0.2850,
0.1661

0.0000, 0.0000,
0.0000

64.8495, 0.3077,
0.2917

64.8495, 0.3077,
0.2917

53.5883, 0.3035,
0.2650

77.8599, 0.3112,
0.3173

43.9901, 0.2985,
0.2379

92.6844, 0.3142,
0.3413

35.9734, 0.2929,
0.2112

97.2900, 0.3177,
0.3466

29.4467, 0.2866,
0.1861

98.4152, 0.3216,
0.3464

■ 24.3090, 0.2799,
0.1637

■ 98.8966, 0.3232,
0.3463

■ 20.4464, 0.2729,
0.1450

■ 17.7265, 0.2658,
0.1309

■ 15.9874, 0.2590,
0.1216

■ 15.3395, 0.2555,
0.1181

Harmonies

Analogous

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



64.8495, 0.2838, 0.2859



64.8495, 0.3077, 0.2917



64.8495, 0.3339, 0.3064

Triad

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



64.8495, 0.3077, 0.2917



64.8495, 0.3589, 0.3663



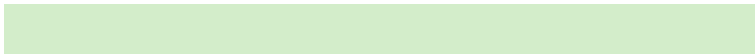
64.8495, 0.2720, 0.3291

Complementary

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



64.8495, 0.3077, 0.2917



78.7073, 0.3169, 0.3677

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.



64.8495, 0.2909, 0.3532



64.8495, 0.3077, 0.2917



64.8495, 0.3410, 0.3749

Square

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



64.8495, 0.3077, 0.2917



64.8495, 0.3642, 0.3484



64.8495, 0.3160, 0.3704



64.8495, 0.2639, 0.3062

Rectangle

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



64.8495, 0.3077, 0.2917



64.8495, 0.3489, 0.3195



64.8495, 0.3160, 0.3704



64.8495, 0.2773, 0.3374

Sweetspot

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



64.8523, 0.3077, 0.2917



93.1686, 0.3115, 0.3192



65.4321, 0.2892, 0.3003



19.6753, 0.3113, 0.3173



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.



64.8523, 0.3077, 0.2917



71.9548, 0.3064, 0.2830



65.9011, 0.3203, 0.3007



15.1071, 0.3097, 0.3055



8.4381, 0.2566, 0.1187



0.7082, 0.2658, 0.1238

Inverse Universe

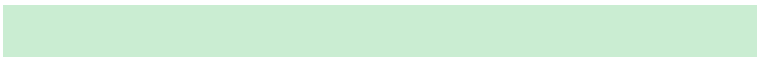
The Inverse Universe completely reimagines the original color for something new.



64.9564, 0.3334, 0.3194



72.1268, 0.3390, 0.3171



77.8080, 0.3059, 0.3590



15.1178, 0.3252, 0.3229



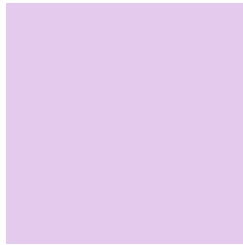
10.0324, 0.5902, 0.3025



0.8030, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 64.8495, 0.3077, 0.2917 looks on a white background.

Color Contrast Check

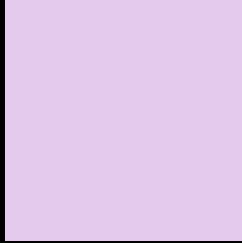
Large Text (above 18pt) WCAG AA × Fail

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 64.8495, 0.3077, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

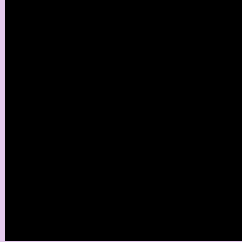
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8495, 0.3077, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 64.8495, 0.3077, 0.2917.



This preview shows how white text looks on a background with the Yxy color 64.8495, 0.3077, 0.2917.

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

64.8495, 0.3077, 0.2917

Protanopia

64.9909, 0.2881, 0.2925

Deuteranopia

64.7788, 0.3018, 0.2953



Tritanopia

65.0519, 0.3173, 0.3116

Trichromacy



Original Color

64.8495, 0.3077, 0.2917

Protanomaly

64.5800, 0.2948, 0.2918

Deuteranomaly

64.7715, 0.3039, 0.2945

Tritanomaly

65.0627, 0.3139, 0.3042

Monochromacy



Original Color

64.8495, 0.3077, 0.2917

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.4272, 0.3111, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8495, 0.3077, 0.2917 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, 202, 237)` looks like.

```
.text, #text, p{  
    color:rgb(228, 202, 237)  
}
```

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, 202, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 202, 237) }
```

Border

The CSS property to change the border of an element to Yxy 64.8495, 0.3077, 0.2917 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, 202, 237) }
```

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

```
.border{ border-color:rgb(228, 202, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 202, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 202, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 202, 237);  
box-shadow:4px 4px 4px 4px rgb(228, 202,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8495, 0.3077, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 202, 237) }
```

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

```
.background{ background-color: rgb(228,  
202, 237) }
```

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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