

# Converting Colors

Yxy(58.9553, 0.3089, 0.2706)

Have a look what the booklet for  
Yxy(58.9553, 0.3089, 0.2706)  
contains.

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# Color

**Yxy(58.8523, 0.3084, 0.2701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9BAF2
RGB	233, 186, 242
RGB Percent	91%, 73%, 95%
CMY	0.0862, 0.2706, 0.0509
CMYK	0.04, 0.23, 0.00, 0.05
HSL	290°, 68%, 84%
HSV	290°, 23%, 95%
XYZ	67.1975, 58.8523, 91.8410
YIQ	206.4370, 10.0360, 27.3800

# Conversions

## Conversions Part 2

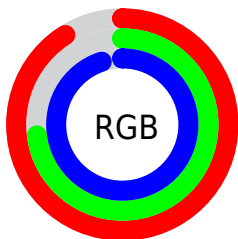
Format	Color
R <sub>Y</sub> B	233, 186, 242
Decimal	15317746
CIE Lab	81.21, 26.42, -21.36
CIE LCh	81, 33.973, 321.035
Yxy	58.8523, 0.3084, 0.2701
Android (android.graphics.Color)	4293507826 (0xFFE9BAF2)
YUV	206.4370, 17.5326, 23.2958
Hunter-Lab	76.7153, 22.1026, -17.2794

# Details

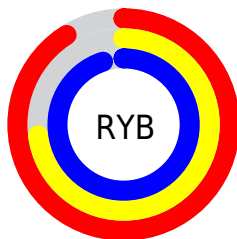
The Yxy color  $58.8523, 0.3084, 0.2701$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $78.6659, 0.3155, 0.3931$ , and the grayscale version is  $61.8996, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.9843, 0.3133, 0.3165$ , and  $29.3948, 0.3067, 0.2558$  is the 20% darker color. If you saturate the color by 10%, you get  $48.8593, 0.3058, 0.2439$ , and if you desaturate by 10%, it is  $70.5918, 0.3105, 0.2962$ .

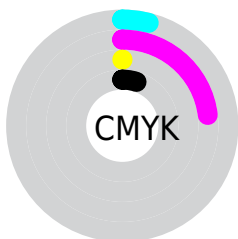
# Distribution



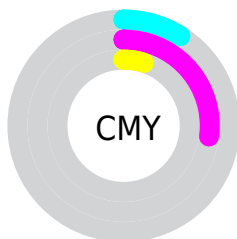
- Red (91%)
- Green (73%)
- Blue (95%)



- Red (91%)
- Yellow (73%)
- Blue (95%)



- Cyan (4%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)




- Cyan (9%)
- Magenta (27%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8523, 0.3084, 0.2701 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 58.8523, 0.3084, 0.2701 by changing the saturation by 10% instead.





 58.8523, 0.3084,  
0.2701

 58.8523, 0.3084,  
0.2701

420.3543, 0.3110,  
0.2970

 42.4942, 0.3077,  
0.2640


 103.1630, 0.3094,  
0.2794

 29.4885, 0.3067,  
0.2566


131.8844, 0.3098,  
0.2830

 19.4507, 0.3054,  
0.2473

165.4956, 0.3101,  
0.2861

 11.9964, 0.3035,  
0.2353

204.3812, 0.3103,  
0.2889

 6.7412, 0.3005,  
0.2192

248.9255, 0.3105,  
0.2913

 3.3008, 0.2956,  
0.1968


299.5128, 0.3107,

 1.2907, 0.2864,


0.2934


0.1638


356.5277, 0.3108,  
0.2953


 0.1340, 0.2844,  
0.0493


 0.0000, 0.0000,  
0.0000


 58.8523, 0.3084,  
0.2701

 58.8523, 0.3084,  
0.2701


 48.8593, 0.3058,  
0.2439


 70.5918, 0.3105,  
0.2962

 40.5180, 0.3028,  
0.2183

 84.1511, 0.3123,  
0.3213

 33.7365, 0.2993,  
0.1945

 97.2889, 0.3138,  
0.3417

 28.4104, 0.2954,  
0.1735

 97.9947, 0.3162,  
0.3416

■ 24.4227, 0.2913,  
0.1563

■ 98.7152, 0.3187,  
0.3415

■ 21.6381, 0.2870,  
0.1434

■ 99.1923, 0.3203,  
0.3415

■ 19.8924, 0.2828,  
0.1352

■ 19.1269, 0.2799,  
0.1316

# Harmonies

## Analogous

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



58.8523, 0.2679, 0.2586



58.8523, 0.3084, 0.2701



58.8523, 0.3530, 0.2947

# Triad

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



58.8523, 0.3084, 0.2701



58.8523, 0.3880, 0.3931



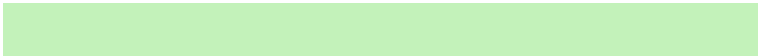
58.8523, 0.2425, 0.3231

# Complementary

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



58.8523, 0.3084, 0.2701



78.6659, 0.3155, 0.3931

# 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.



58.8523, 0.2711, 0.3665



58.8523, 0.3084, 0.2701



58.8523, 0.3550, 0.4081

# Square

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



58.8523, 0.3084, 0.2701



58.8523, 0.4006, 0.3631



58.8523, 0.3121, 0.3992



58.8523, 0.2320, 0.2856



# Rectangle

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



58.8523, 0.3084, 0.2701



58.8523, 0.3781, 0.3162



58.8523, 0.3121, 0.3992



58.8523, 0.2502, 0.3376

# Sweetspot

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



58.8548, 0.3084, 0.2701



88.5952, 0.3116, 0.3117



56.0303, 0.2741, 0.2749



18.7630, 0.3115, 0.3102



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.



58.8548, 0.3084, 0.2701



60.4833, 0.3072, 0.2571



59.3436, 0.3298, 0.2897



15.8953, 0.3112, 0.3056



10.3232, 0.2806, 0.1319



0.8928, 0.2862, 0.1350



# Inverse Universe

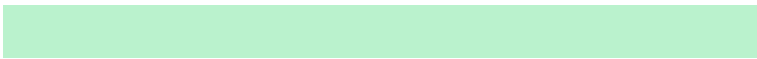
The Inverse Universe completely reimagines the original color for something new.



57.9372, 0.3530, 0.3194



59.3185, 0.3645, 0.3172



78.3493, 0.2990, 0.3719



15.8003, 0.3268, 0.3252



10.2323, 0.6170, 0.3172



0.8634, 0.5842, 0.2992



# Previews

## White Background



This preview shows how the Yxy color 58.8523, 0.3084, 0.2701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

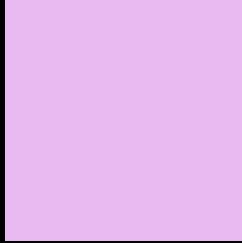
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.8523, 0.3084, 0.2701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

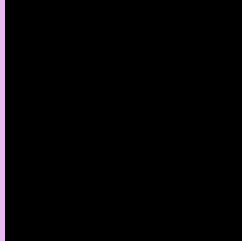
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.8523, 0.3084, 0.2701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8523, 0.3084, 0.2701.



This preview shows how white text looks on a background with the Yxy color 58.8523, 0.3084, 0.2701.

# 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

58.8523, 0.3084, 0.2701

### Protanopia

59.2840, 0.2713, 0.2705

### Deuteranopia

58.9203, 0.2874, 0.2807



## Tritanopia

58.6982, 0.3305, 0.3124

# Trichromacy



**Original Color**

58.8523, 0.3084, 0.2701

**Protanomaly**

58.9293, 0.2843, 0.2706

**Deuteranomaly**

58.7869, 0.2946, 0.2763

**Tritanomaly**

58.8172, 0.3223, 0.2963

# Monochromacy



**Original Color**

58.8523, 0.3084, 0.2701

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

60.5603, 0.3115, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8523, 0.3084, 0.2701 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(233, 186, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 186, 242)  
}
```

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(233, 186, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 186, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8523, 0.3084, 0.2701 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(233, 186, 242) }
```

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

```
.border{ border-color:rgb(233, 186, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 186, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 186, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 186, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 186,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8523, 0.3084, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 186, 242) }
```

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

```
.background{ background-color: rgb(233,  
186, 242) }
```

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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