

# Converting Colors

$Y_{xy}(54.0023, 0.3311, 0.3016)$

Have a look what the booklet for  
Yxy(54.0023, 0.3311, 0.3016)  
contains.

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# Color

**Yxy(54.0809, 0.3309, 0.3021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B6CE
RGB	226, 182, 206
RGB Percent	89%, 71%, 81%
CMY	0.1136, 0.2863, 0.1922
CMYK	0.00, 0.19, 0.09, 0.11
HSL	327°, 43%, 80%
HSV	327°, 19%, 89%
XYZ	59.2366, 54.0809, 65.6991
YIQ	197.8920, 18.5200, 16.7920

# Conversions

## Conversions Part 2

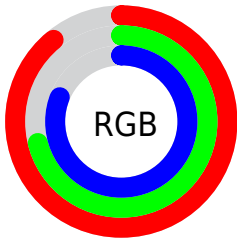
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 182, 206
Decimal	14857934
CIE Lab	78.51, 19.73, -6.06
CIE LCh	79, 20.634, 342.929
Yxy	54.0809, 0.3309, 0.3021
Android (android.graphics.Color)	4293048014 (0xFFE2B6CE)
YUV	197.8920, 3.9972, 24.6507
Hunter-Lab	73.5397, 15.0881, -1.4908

# Details

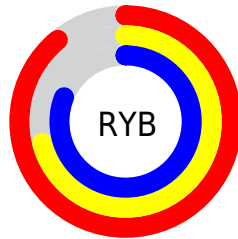
The Yxy color **54.0809, 0.3309, 0.3021** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.6171, 0.2978, 0.3576**, and the grayscale version is **56.3719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **26.5136, 0.3350, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **45.0770, 0.3430, 0.2876**, and if you desaturate by 10%, it is **64.6164, 0.3208, 0.3162**.

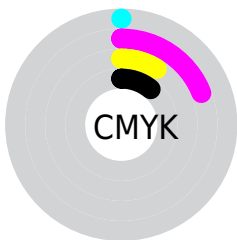
# Distribution



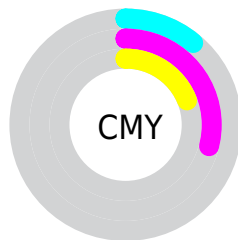
- Red (89%)
- Green (71%)
- Blue (81%)



- Red (89%)
- Yellow (71%)
- Blue (81%)



- Cyan (0%)
- Magenta (19%)
- Yellow (9%)
- Black (11%)




- Cyan (11%)
- Magenta (29%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0809, 0.3309, 0.3021 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 54.0809, 0.3309, 0.3021 by changing the saturation by 10% instead.




 54.0809, 0.3309,  
0.3021

 54.0809, 0.3309,  
0.3021


402.4184, 0.3222,  
0.3149

 38.6663, 0.3330,  
0.2991


 96.1930, 0.3278,  
0.3066

 26.5003, 0.3356,  
0.2953


123.6594, 0.3266,  
0.3084

 17.1983, 0.3390,  
0.2904


155.9118, 0.3256,  
0.3099

 10.3759, 0.3435,  
0.2838

193.3346, 0.3247,  
0.3112

 5.6489, 0.3500,  
0.2745

236.3123, 0.3240,  
0.3123

 2.6328, 0.3599,  
0.2606

285.2293, 0.3233,

 0.9432, 0.3768,

0.3133

0.2372

340.4698, 0.3227,  
0.3142

0.0000, 0.5711,  
0.0000

0.0000, 0.0000,  
0.0000

54.0809, 0.3309,  
0.3021

54.0809, 0.3309,  
0.3021

45.0770, 0.3430,  
0.2876

64.6164, 0.3208,  
0.3162

37.5254, 0.3573,  
0.2731

76.7438, 0.3123,  
0.3297

31.3503, 0.3738,  
0.2595

90.5286, 0.3053,  
0.3422

26.4664, 0.3926,  
0.2478

94.4166, 0.2995,  
0.3369

■ 22.7786, 0.4132,  
0.2390

■ 94.9128, 0.2952,  
0.3289

■ 20.1784, 0.4350,  
0.2346

■ 18.5374, 0.4570,  
0.2354

■ 17.6456, 0.4784,  
0.2411

■ 17.6065, 0.4795,  
0.2415

# Harmonies

## Analogous

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



54.0809, 0.3030, 0.2879



54.0809, 0.3309, 0.3021



54.0809, 0.3546, 0.3229

# Triad

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



54.0809, 0.3309, 0.3021



54.0809, 0.3464, 0.3771



54.0809, 0.2616, 0.3082

# Complementary

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



54.0809, 0.3309, 0.3021



68.6171, 0.2978, 0.3576

# 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.



54.0809, 0.2721, 0.3333



54.0809, 0.3309, 0.3021



54.0809, 0.3206, 0.3747

# Square

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



54.0809, 0.3309, 0.3021



54.0809, 0.3635, 0.3659



54.0809, 0.2935, 0.3583



54.0809, 0.2639, 0.2905



# Rectangle

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



54.0809, 0.3309, 0.3021



54.0809, 0.3643, 0.3383



54.0809, 0.2935, 0.3583



54.0809, 0.2637, 0.3161

# Sweetspot

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



54.0833, 0.3309, 0.3021



90.1832, 0.3177, 0.3210



51.4774, 0.2956, 0.2779



19.0843, 0.3182, 0.3201



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.



54.0833, 0.3309, 0.3021



66.5163, 0.3351, 0.2968



53.0968, 0.3492, 0.3266



13.8249, 0.3207, 0.3163



10.0663, 0.4763, 0.2397



0.7157, 0.4458, 0.2229



# Inverse Universe

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



54.0833, 0.3309, 0.3021



66.5163, 0.3351, 0.2968



69.7233, 0.2849, 0.3315



13.8249, 0.3207, 0.3163



10.0663, 0.4763, 0.2397



0.7157, 0.4458, 0.2229



# Previews

## White Background



This preview shows how the Yxy color 54.0809, 0.3309, 0.3021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

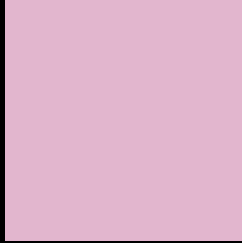
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0809, 0.3309, 0.3021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

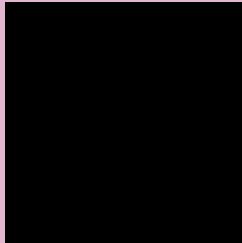
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.0809, 0.3309, 0.3021**

## Background



This preview shows how black text looks on a background with the Yxy color 54.0809, 0.3309, 0.3021.



This preview shows how white text looks on a background with the Yxy color 54.0809, 0.3309, 0.3021.

# 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

54.0809, 0.3309, 0.3021

### Protanopia

54.2815, 0.2982, 0.3050

### Deuteranopia

54.3583, 0.3169, 0.3103



## Tritanopia

53.9517, 0.3365, 0.3120

# Trichromacy



## Original Color

54.0809, 0.3309, 0.3021

## Protanomaly

54.0275, 0.3098, 0.3043

## Deuteranomaly

53.9727, 0.3220, 0.3071

## Tritanomaly

54.0916, 0.3340, 0.3087

# Monochromacy



## Original Color

54.0809, 0.3309, 0.3021

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

55.3262, 0.3189, 0.3184

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0809, 0.3309, 0.3021 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(226, 182, 206)` looks like.

```
.text, #text, p{  
    color:rgb(226, 182, 206)  
}
```

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(226, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 182, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0809, 0.3309, 0.3021 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(226, 182, 206) }
```

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

```
.border{ border-color:rgb(226, 182, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 182, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 182, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 182, 206); box-shadow:4px 4px 4px 4px rgb(226, 182, 206) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0809, 0.3309, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 182, 206) }
```

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

```
.background{ background-color: rgb(226,  
182, 206) }
```

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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