

# Converting Colors

Yxy(54.6458, 0.3055, 0.2714)

Have a look what the booklet for  
Yxy(54.6458, 0.3055, 0.2714)  
contains.

<b>Yxy(54.5179, 0.3058, 0.2710)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(54.5179, 0.3058, 0.2710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB5EA
RGB	222, 181, 234
RGB Percent	87%, 71%, 92%
CMY	0.1291, 0.2903, 0.0823
CMYK	0.05, 0.23, 0.00, 0.08
HSL	286°, 56%, 81%
HSV	286°, 23%, 92%
XYZ	61.5187, 54.5179, 85.1364
YIQ	199.3010, 7.4230, 25.1750

# Conversions

## Conversions Part 2

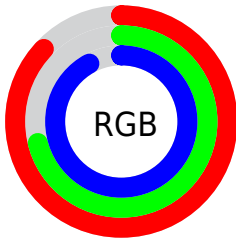
Format	Color
R <sub>Y</sub> B	222, 181, 234
Decimal	14595562
CIE Lab	78.76, 24.05, -20.87
CIE LCh	79, 31.840, 319.047
Yxy	54.5179, 0.3058, 0.2710
Android (android.graphics.Color)	4292785642 (0xFFDEB5EA)
YUV	199.3010, 17.1066, 19.9070
Hunter-Lab	73.8362, 19.5088, -16.6786

# Details

The Yxy color  $54.5179, 0.3058, 0.2710$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $73.5182, 0.3178, 0.3911$ , and the grayscale version is  $57.2023, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.0484, 0.3135, 0.3117$ , and  $26.7597, 0.3031, 0.2576$  is the 20% darker color. If you saturate the color by 10%, you get  $44.9717, 0.3018, 0.2442$ , and if you desaturate by 10%, it is  $65.6930, 0.3092, 0.2973$ .

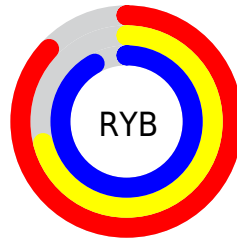
# Distribution



Red (87%)

Green (71%)

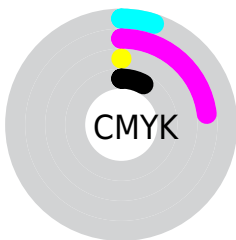
Blue (92%)



Red (87%)

Yellow (71%)

Blue (92%)

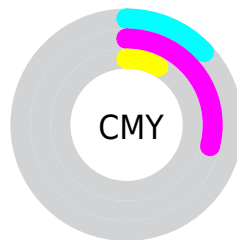


Cyan (5%)

Magenta (23%)

Yellow (0%)

Black (8%)



Cyan (13%)

Magenta (29%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5179, 0.3058, 0.2710 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 54.5179, 0.3058, 0.2710 by changing the saturation by 10% instead.





 54.5179, 0.3058,  
0.2710

 54.5179, 0.3058,  
0.2710


404.0819, 0.3096,  
0.2979

 39.0159, 0.3048,  
0.2648


 96.8342, 0.3073,  
0.2804

 26.7721, 0.3034,  
0.2572


124.4173, 0.3078,  
0.2840

 17.4021, 0.3016,  
0.2476


156.7963, 0.3082,  
0.2871

 10.5216, 0.2989,  
0.2351

194.3554, 0.3086,  
0.2898

 5.7461, 0.2949,  
0.2181

237.4791, 0.3089,  
0.2922

 2.6913, 0.2882,  
0.1940

286.5518, 0.3092,

 0.9728, 0.2757,

0.2944

0.1577

341.9580, 0.3094,  
0.2962

0.0000, 0.2524,  
0.0000

0.0000, 0.0000,  
0.0000

54.5179, 0.3058,  
0.2710

54.5179, 0.3058,  
0.2710

44.9717, 0.3018,  
0.2442

65.6930, 0.3092,  
0.2973

36.9675, 0.2971,  
0.2178

78.5645, 0.3121,  
0.3225

30.4206, 0.2918,  
0.1928

93.2046, 0.3143,  
0.3462

25.2354, 0.2861,  
0.1704

96.5432, 0.3174,  
0.3497

■ 21.3046, 0.2801,  
0.1515

■ 97.4948, 0.3208,  
0.3495

■ 18.5048, 0.2740,  
0.1371

■ 98.4736, 0.3241,  
0.3493

■ 16.6865, 0.2680,  
0.1274

■ 98.7216, 0.3250,  
0.3493

■ 15.8061, 0.2637,  
0.1226

# Harmonies

## Analogous

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



54.5179, 0.2674, 0.2609



54.5179, 0.3058, 0.2710



54.5179, 0.3488, 0.2941

# Triad

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



54.5179, 0.3058, 0.2710



54.5179, 0.3866, 0.3892



54.5179, 0.2464, 0.3262

# Complementary

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



54.5179, 0.3058, 0.2710



73.5182, 0.3178, 0.3911

# 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.



54.5179, 0.2751, 0.3675



54.5179, 0.3058, 0.2710



54.5179, 0.3560, 0.4047

# Square

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



54.5179, 0.3058, 0.2710



54.5179, 0.3972, 0.3598



54.5179, 0.3150, 0.3976



54.5179, 0.2350, 0.2894



# Rectangle

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



54.5179, 0.3058, 0.2710



54.5179, 0.3735, 0.3146



54.5179, 0.3150, 0.3976



54.5179, 0.2543, 0.3402

# Sweetspot

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



54.5202, 0.3058, 0.2710



88.3811, 0.3109, 0.3117



54.0572, 0.2754, 0.2807



18.7133, 0.3107, 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.



54.5202, 0.3058, 0.2710



60.8389, 0.3041, 0.2591



55.6931, 0.3264, 0.2870



15.1329, 0.3102, 0.3055



8.9390, 0.2646, 0.1231



0.7438, 0.2728, 0.1276



# Inverse Universe

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



54.3790, 0.3489, 0.3158



60.6887, 0.3583, 0.3131



72.6228, 0.3013, 0.3751



15.1096, 0.3257, 0.3237



9.9882, 0.6002, 0.3080



0.7986, 0.5618, 0.2869



# Previews

## White Background



This preview shows how the Yxy color 54.5179, 0.3058, 0.2710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

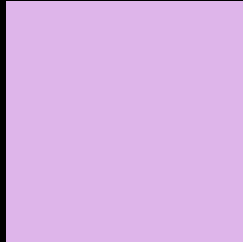
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5179, 0.3058, 0.2710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

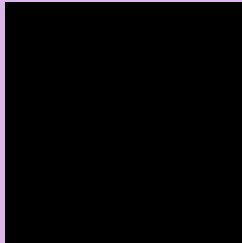
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.5179, 0.3058, 0.2710**

## Background



This preview shows how black text looks on a background with the Yxy color 54.5179, 0.3058, 0.2710.



This preview shows how white text looks on a background with the Yxy color 54.5179, 0.3058, 0.2710.

# 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

54.5179, 0.3058, 0.2710

### Protanopia

54.6180, 0.2719, 0.2719

### Deuteranopia

54.8236, 0.2873, 0.2815



## Tritanopia

54.5094, 0.3268, 0.3129

# Trichromacy



**Original Color**

54.5179, 0.3058, 0.2710

**Protanomaly**

54.4975, 0.2833, 0.2718

**Deuteranomaly**

54.4030, 0.2932, 0.2767

**Tritanomaly**

54.5621, 0.3191, 0.2973

# Monochromacy



**Original Color**

54.5179, 0.3058, 0.2710

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

55.7181, 0.3098, 0.3057

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5179, 0.3058, 0.2710 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(222, 181, 234)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 234)  
}
```

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(222, 181, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5179, 0.3058, 0.2710 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(222, 181, 234) }
```

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

```
.border{ border-color:rgb(222, 181, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 234);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5179, 0.3058, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 234) }
```

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

```
.background{ background-color: rgb(222,  
181, 234) }
```

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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