

# Converting Colors

$Y_{xy}(59.0114, 0.3082, 0.3077)$

Have a look what the booklet for  
Yxy(59.0114, 0.3082, 0.3077)  
contains.

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# Color

**Yxy(58.9532, 0.3076, 0.3072)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1C6D9
RGB	209, 198, 217
RGB Percent	82%, 78%, 85%
CMY	0.1801, 0.2236, 0.1490
CMYK	0.04, 0.09, 0.00, 0.15
HSL	275°, 20%, 81%
HSV	275°, 9%, 85%
XYZ	59.0300, 58.9532, 73.9218
YIQ	203.4550, 0.4570, 8.2410

# Conversions

## Conversions Part 2

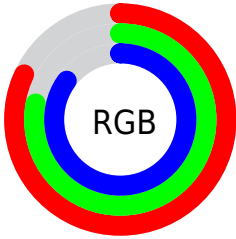
Format	Color
R <sub>YB</sub>	209, 198, 217
Decimal	13747929
CIE Lab	81.27, 7.34, -8.08
CIE LCh	81, 10.919, 312.272
Yxy	58.9532, 0.3076, 0.3072
Android (android.graphics.Color)	4291938009 (0xFFD1C6D9)
YUV	203.4550, 6.6777, 4.8630
Hunter-Lab	76.7810, 2.8658, -3.3354

# Details

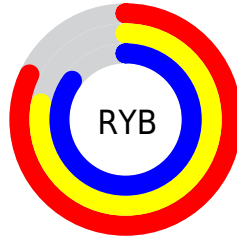
The Yxy color **58.9532, 0.3076, 0.3072** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8187, 0.3175, 0.3510**, and the grayscale version is **59.9862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.5237, 0.3068, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **48.4535, 0.3008, 0.2806**, and if you desaturate by 10%, it is **70.9543, 0.3134, 0.3319**.

# Distribution



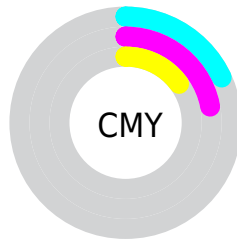
- Red (82%)
- Green (78%)
- Blue (85%)



- Red (82%)
- Yellow (78%)
- Blue (85%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (18%)
- Magenta (22%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9532, 0.3076, 0.3072 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 58.9532, 0.3076, 0.3072 by changing the saturation by 10% instead.



■ 58.9532, 0.3076,  
0.3072

■ 58.9532, 0.3076,  
0.3072

420.7285, 0.3101,  
0.3175

■ 42.5754, 0.3070,  
0.3048

103.3096, 0.3085,  
0.3108

■ 29.5521, 0.3062,  
0.3018

132.0571, 0.3088,  
0.3122

■ 19.4989, 0.3052,  
0.2979

165.6966, 0.3091,  
0.3134

■ 12.0313, 0.3038,  
0.2927

204.6126, 0.3094,  
0.3145

■ 6.7650, 0.3018,  
0.2855

249.1893, 0.3096,  
0.3154

■ 3.3156, 0.2986,  
0.2747

299.8113, 0.3098,

■ 1.2986, 0.2929,

0.3162

0.2569

356.8629, 0.3100,  
0.3169

0.1401, 0.2671,  
0.1198

0.0000, 0.0000,  
0.0000

58.9532, 0.3076,  
0.3072

58.9532, 0.3076,  
0.3072

48.4535, 0.3008,  
0.2806

70.9543, 0.3134,  
0.3319

39.3861, 0.2929,  
0.2526

84.5069, 0.3182,  
0.3546

31.6879, 0.2839,  
0.2239

94.4017, 0.3230,  
0.3675

25.2879, 0.2739,  
0.1954

95.9921, 0.3288,  
0.3668

■ 20.1087, 0.2631,  
0.1684

■ 97.6621, 0.3347,  
0.3661

■ 16.0641, 0.2519,  
0.1442

■ 97.7905, 0.3351,  
0.3661

■ 13.0565, 0.2406,  
0.1241

■ 10.9707, 0.2298,  
0.1090

■ 9.6293, 0.2197,  
0.0988

# Harmonies

## Analogous

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



58.9532, 0.2949, 0.3052



58.9532, 0.3076, 0.3072



58.9532, 0.3219, 0.3147

# Triad

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



58.9532, 0.3076, 0.3072



58.9532, 0.3389, 0.3482



58.9532, 0.2918, 0.3317

# Complementary

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



58.9532, 0.3076, 0.3072



66.8187, 0.3175, 0.3510

# 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.



58.9532, 0.3032, 0.3440



58.9532, 0.3076, 0.3072



58.9532, 0.3305, 0.3535

# Square

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



58.9532, 0.3076, 0.3072



58.9532, 0.3402, 0.3380



58.9532, 0.3174, 0.3521



58.9532, 0.2860, 0.3190



# Rectangle

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



58.9532, 0.3076, 0.3072



58.9532, 0.3304, 0.3218



58.9532, 0.3174, 0.3521



58.9532, 0.2951, 0.3361

# Sweetspot

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



58.9557, 0.3076, 0.3072



94.6158, 0.3110, 0.3216



61.2657, 0.2992, 0.3164



19.9510, 0.3106, 0.3197



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.



58.9557, 0.3076, 0.3072



81.2396, 0.3061, 0.3012



60.0772, 0.3146, 0.3090



12.9903, 0.3072, 0.3055



5.8048, 0.2199, 0.0985



0.4262, 0.2360, 0.1074



# Inverse Universe

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



59.5847, 0.3219, 0.3200



82.3819, 0.3246, 0.3175



65.7707, 0.3108, 0.3498



13.1411, 0.3227, 0.3193



9.4018, 0.5297, 0.2692

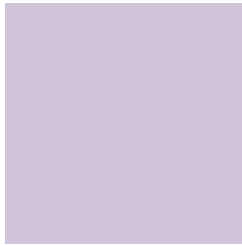


0.6260, 0.4877, 0.2460



# Previews

## White Background



This preview shows how the Yxy color 58.9532, 0.3076, 0.3072 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

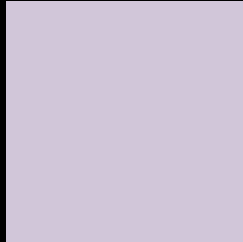
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9532, 0.3076, 0.3072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

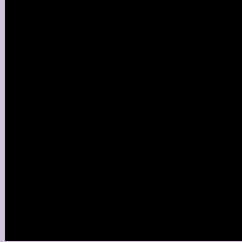
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.9532, 0.3076, 0.3072**

## Background



This preview shows how black text looks on a background with the Yxy color 58.9532, 0.3076, 0.3072.



This preview shows how white text looks on a background with the Yxy color 58.9532, 0.3076, 0.3072.

# 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

58.9532, 0.3076, 0.3072

### Protanopia

59.3053, 0.3001, 0.3081

### Deuteranopia

58.7858, 0.3115, 0.3052



## Tritanopia

58.7985, 0.3097, 0.3106

# Trichromacy



## Original Color

58.9532, 0.3076, 0.3072

## Protanomaly

59.2079, 0.3030, 0.3082

## Deuteranomaly

58.9393, 0.3099, 0.3062

## Tritanomaly

58.8498, 0.3090, 0.3095

# Monochromacy



## Original Color

58.9532, 0.3076, 0.3072

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.3065, 0.3108, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9532, 0.3076, 0.3072 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(209, 198, 217)` looks like.

```
.text, #text, p{  
    color:rgb(209, 198, 217)  
}
```

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(209, 198, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 198, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9532, 0.3076, 0.3072 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(209, 198, 217) }
```

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

```
.border{ border-color:rgb(209, 198, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 198, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 198, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 198, 217);  
box-shadow:4px 4px 4px 4px rgb(209, 198,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9532, 0.3076, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 198, 217) }
```

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

```
.background{ background-color: rgb(209,  
198, 217) }
```

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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