

# Converting Colors

Yxy(50.9396, 0.3102, 0.2825)

Have a look what the booklet for  
Yxy(50.9396, 0.3102, 0.2825)  
contains.

<b>Yxy(51.0489, 0.3107, 0.2831)</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(51.0489, 0.3107, 0.2831)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5B2DA
RGB	213, 178, 218
RGB Percent	84%, 70%, 85%
CMY	0.1646, 0.3020, 0.1450
CMYK	0.02, 0.18, 0.00, 0.15
HSL	293°, 35%, 78%
HSV	293°, 18%, 85%
XYZ	56.0258, 51.0489, 73.2464
YIQ	193.0250, 8.0200, 19.8600

# Conversions

## Conversions Part 2

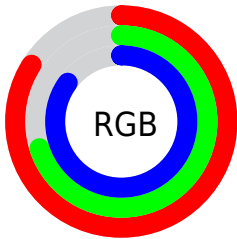
Format	Color
R <sub>Y</sub> B	213, 178, 218
Decimal	14004954
CIE Lab	76.71, 19.62, -15.40
CIE LCh	77, 24.946, 321.878
Yxy	51.0489, 0.3107, 0.2831
Android (android.graphics.Color)	4292195034 (0xFFD5B2DA)
YUV	193.0250, 12.3127, 17.5181
Hunter-Lab	71.4485, 14.9344, -10.7680

# Details

The Yxy color  $51.0489, 0.3107, 0.2831$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $63.4341, 0.3140, 0.3784$ , and the grayscale version is  $53.2701, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3256, 0.3137, 0.3088$ , and  $24.5807, 0.3097, 0.2715$  is the 20% darker color. If you saturate the color by 10%, you get  $42.6513, 0.3091, 0.2573$ , and if you desaturate by 10%, it is  $60.8365, 0.3119, 0.3085$ .

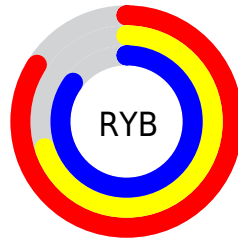
# Distribution



Red (84%)

Green (70%)

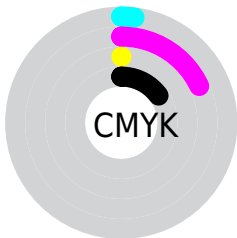
Blue (85%)



Red (84%)

Yellow (70%)

Blue (85%)

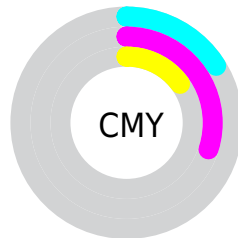


Cyan (2%)

Magenta (18%)

Yellow (0%)

Black (15%)



Cyan (16%)

Magenta (30%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0489, 0.3107, 0.2831 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 51.0489, 0.3107, 0.2831 by changing the saturation by 10% instead.



■ 51.0489, 0.3107,  
0.2831

■ 51.0489, 0.3107,  
0.2831

390.7537, 0.3120,  
0.3049

■ 36.2475, 0.3103,  
0.2780

■ 91.7271, 0.3112,  
0.2908

■ 24.6254, 0.3097,  
0.2716

118.3726, 0.3114,  
0.2937

■ 15.7982, 0.3089,  
0.2634

149.7350, 0.3116,  
0.2963

■ 9.3815, 0.3077,  
0.2525

186.1987, 0.3117,  
0.2984

■ 4.9908, 0.3057,  
0.2374

228.1480, 0.3118,  
0.3004

■ 2.2419, 0.3021,  
0.2150

275.9674, 0.3119,

■ 0.7427, 0.2947,

0.3021

0.1774

330.0411, 0.3119,  
0.3036

0.0000, 0.1633,  
0.0000

0.0000, 0.0000,  
0.0000

51.0489, 0.3107,  
0.2831

51.0489, 0.3107,  
0.2831

42.6513, 0.3091,  
0.2573

60.8365, 0.3119,  
0.3085

35.5721, 0.3072,  
0.2318

72.0682, 0.3128,  
0.3329

29.7432, 0.3049,  
0.2077

84.8033, 0.3135,  
0.3559

25.0878, 0.3023,  
0.1860

92.4150, 0.3146,  
0.3674

■ 21.5207, 0.2994,  
0.1675

■ 92.8524, 0.3163,  
0.3672

■ 18.9449, 0.2963,  
0.1532

■ 93.2967, 0.3180,  
0.3670

■ 17.2463, 0.2931,  
0.1433

■ 93.7480, 0.3197,  
0.3668

■ 16.2563, 0.2899,  
0.1375

■ 94.2063, 0.3214,  
0.3666

■ 16.1211, 0.2893,  
0.1367

■ 94.6717, 0.3232,  
0.3664

# Harmonies

## Analogous

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



51.0489, 0.2788, 0.2738



51.0489, 0.3107, 0.2831



51.0489, 0.3448, 0.3030

# Triad

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



51.0489, 0.3107, 0.2831



51.0489, 0.3705, 0.3797



51.0489, 0.2576, 0.3242

# Complementary

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



51.0489, 0.3107, 0.2831



63.4341, 0.3140, 0.3784

# 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.



51.0489, 0.2800, 0.3567



51.0489, 0.3107, 0.2831



51.0489, 0.3451, 0.3896

# Square

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



51.0489, 0.3107, 0.2831



51.0489, 0.3803, 0.3572



51.0489, 0.3118, 0.3816



51.0489, 0.2495, 0.2953



# Rectangle

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



51.0489, 0.3107, 0.2831



51.0489, 0.3636, 0.3202



51.0489, 0.3118, 0.3816



51.0489, 0.2637, 0.3351

# Sweetspot

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



51.0511, 0.3107, 0.2831



90.2639, 0.3122, 0.3143



48.5289, 0.2829, 0.2859



19.1033, 0.3121, 0.3126



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.



51.0511, 0.3107, 0.2831



67.9790, 0.3101, 0.2732



51.0738, 0.3267, 0.2998



13.1883, 0.3118, 0.3058



9.6881, 0.2898, 0.1370



0.6512, 0.2952, 0.1400



# Inverse Universe

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



50.1635, 0.3440, 0.3232



66.5118, 0.3522, 0.3219



63.4548, 0.3009, 0.3601



13.0778, 0.3272, 0.3261



8.9863, 0.6236, 0.3209

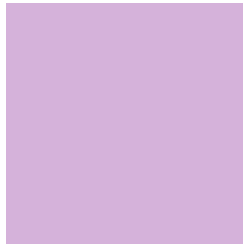


0.5911, 0.5879, 0.3012



# Previews

## White Background



This preview shows how the Yxy color 51.0489, 0.3107, 0.2831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

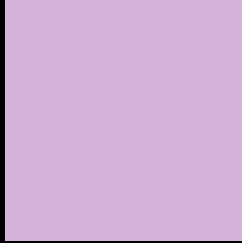
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0489, 0.3107, 0.2831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

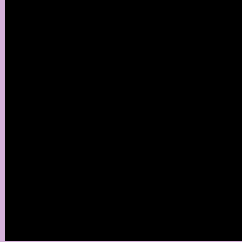
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.0489, 0.3107, 0.2831**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0489, 0.3107, 0.2831.



This preview shows how white text looks on a background with the Yxy color 51.0489, 0.3107, 0.2831.

# 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

51.0489, 0.3107, 0.2831

### Protanopia

51.3478, 0.2815, 0.2842

### Deuteranopia

51.3098, 0.2968, 0.2907



## Tritanopia

51.1431, 0.3254, 0.3124

# Trichromacy



## Original Color

51.0489, 0.3107, 0.2831

## Protanomaly

50.8924, 0.2917, 0.2837

## Deuteranomaly

51.0222, 0.3024, 0.2878

## Tritanomaly

51.2563, 0.3199, 0.3020

# Monochromacy



## Original Color

51.0489, 0.3107, 0.2831

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.5101, 0.3119, 0.3121

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0489, 0.3107, 0.2831 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(213, 178, 218)` looks like.

```
.text, #text, p{  
    color:rgb(213, 178, 218)  
}
```

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(213, 178, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 178, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0489, 0.3107, 0.2831 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(213, 178, 218) }
```

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

```
.border{ border-color:rgb(213, 178, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 178, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 178, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 178, 218);  
box-shadow:4px 4px 4px 4px rgb(213, 178,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0489, 0.3107, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 178, 218) }
```

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

```
.background{ background-color: rgb(213,  
178, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor