

Converting Colors

$Y_{xy}(49.1419, 0.3157, 0.3085)$

Have a look what the booklet for
Yxy(49.1419, 0.3157, 0.3085)
contains.

Yxy(49.3583, 0.3162, 0.3095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.3583, 0.3162, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	C8B5C5
RGB	200, 181, 197
RGB Percent	78%, 71%, 77%
CMY	0.2156, 0.2902, 0.2274
CMYK	0.00, 0.10, 0.02, 0.22
HSL	310°, 15%, 75%
HSV	310°, 10%, 78%
XYZ	50.4268, 49.3583, 59.6924
YIQ	188.5050, 6.1880, 9.0040

Conversions

Conversions Part 2

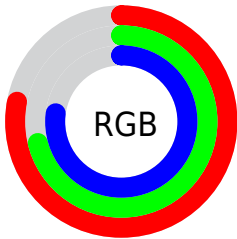
Format	Color
R _Y B	200, 181, 197
Decimal	13153733
CIE Lab	75.67, 9.63, -5.63
CIE LCh	76, 11.153, 329.682
Yxy	49.3583, 0.3162, 0.3095
Android (android.graphics.Color)	4291343813 (0xFFC8B5C5)
YUV	188.5050, 4.1880, 10.0811
Hunter-Lab	70.2555, 5.1737, -1.1968

Details

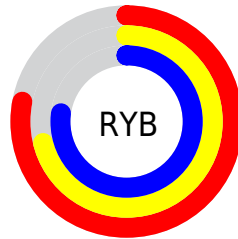
The Yxy color **49.3583, 0.3162, 0.3095** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.6069, 0.3094, 0.3493**, and the grayscale version is **50.5675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9841, 0.3141, 0.3126**, and **23.5325, 0.3174, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **41.6573, 0.3204, 0.2883**, and if you desaturate by 10%, it is **58.2345, 0.3126, 0.3300**.

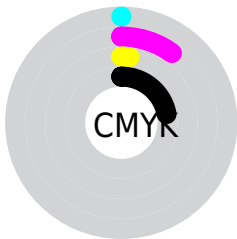
Distribution



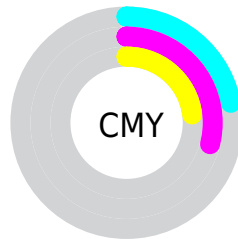
- Red (78%)
- Green (71%)
- Blue (77%)



- Red (78%)
- Yellow (71%)
- Blue (77%)



- Cyan (0%)
- Magenta (10%)
- Yellow (2%)
- Black (22%)





- Cyan (22%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3583, 0.3162, 0.3095 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 49.3583, 0.3162, 0.3095 by changing the saturation by 10% instead.

 49.3583, 0.3162,
0.3095

 49.3583, 0.3162,
0.3095


384.1512, 0.3145,
0.3190

 34.9038, 0.3166,
0.3072


 89.2234, 0.3156,
0.3129

 23.5888, 0.3171,
0.3043


115.4027, 0.3154,
0.3142

 15.0289, 0.3177,
0.3004


146.2592, 0.3152,
0.3153

 8.8396, 0.3185,
0.2952

182.1770, 0.3150,
0.3163

 4.6367, 0.3197,
0.2876

223.5408, 0.3149,
0.3171

 2.0357, 0.3214,
0.2757

270.7348, 0.3148,

 0.6281, 0.3273,

0.3178

0.2471

324.1435, 0.3146,
0.3185

0.0000, 0.0000,
0.0000

49.3583, 0.3162,
0.3095

49.3583, 0.3162,
0.3095

41.6573, 0.3204,
0.2883

58.2345, 0.3126,
0.3300

35.0756, 0.3251,
0.2670

68.3261, 0.3094,
0.3494

29.5622, 0.3303,
0.2461

79.6792, 0.3067,
0.3675

25.0596, 0.3360,
0.2266

88.4431, 0.3045,
0.3784

21.5052, 0.3420,
0.2094

88.6030, 0.3028,
0.3748

■ 18.8291, 0.3481,
0.1955

■ 88.7661, 0.3011,
0.3712

■ 16.9518, 0.3542,
0.1857

■ 88.9325, 0.2993,
0.3676

■ 15.7797, 0.3601,
0.1804

■ 89.1020, 0.2976,
0.3641

■ 15.1450, 0.3657,
0.1790

■ 89.2747, 0.2959,
0.3606

Harmonies

Analogous

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



49.3583, 0.3010, 0.3037



49.3583, 0.3162, 0.3095



49.3583, 0.3308, 0.3202

Triad

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



49.3583, 0.3162, 0.3095



49.3583, 0.3366, 0.3540



49.3583, 0.2856, 0.3237

Complementary

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



49.3583, 0.3162, 0.3095



54.6069, 0.3094, 0.3493

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.



49.3583, 0.2947, 0.3379



49.3583, 0.3162, 0.3095



49.3583, 0.3241, 0.3556

Square

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



49.3583, 0.3162, 0.3095



49.3583, 0.3427, 0.3456



49.3583, 0.3087, 0.3497



49.3583, 0.2836, 0.3115

Rectangle

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



49.3583, 0.3162, 0.3095



49.3583, 0.3381, 0.3288



49.3583, 0.3087, 0.3497



49.3583, 0.2879, 0.3284

Sweetspot

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



49.3604, 0.3162, 0.3095



95.1377, 0.3138, 0.3229



47.3892, 0.3004, 0.3049



20.0922, 0.3141, 0.3212



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.



49.3604, 0.3162, 0.3095



83.1067, 0.3168, 0.3061



48.9452, 0.3237, 0.3208



10.7865, 0.3161, 0.3098



9.6206, 0.3653, 0.1786



0.4635, 0.3546, 0.1727

Inverse Universe

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



49.3604, 0.3162, 0.3095



83.1067, 0.3168, 0.3061



55.0119, 0.3028, 0.3373



10.7865, 0.3161, 0.3098



9.6206, 0.3653, 0.1786



0.4635, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 49.3583, 0.3162, 0.3095 looks on a white background.

Color Contrast Check

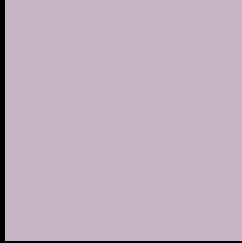
Large Text (above 18pt) WCAG AA × Fail

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 49.3583, 0.3162, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

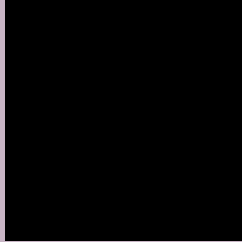
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3583, 0.3162, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 49.3583, 0.3162, 0.3095.



This preview shows how white text looks on a background with the Yxy color 49.3583, 0.3162, 0.3095.

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

49.3583, 0.3162, 0.3095

Protanopia

49.3072, 0.3021, 0.3102

Deuteranopia

49.3583, 0.3162, 0.3095



Tritanopia

49.2672, 0.3178, 0.3119

Trichromacy



Original Color

49.3583, 0.3162, 0.3095

Protanomaly

49.4809, 0.3070, 0.3104

Deuteranomaly

49.3583, 0.3162, 0.3095

Tritanomaly

49.3126, 0.3170, 0.3107

Monochromacy



Original Color

49.3583, 0.3162, 0.3095

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.2610, 0.3139, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3583, 0.3162, 0.3095 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(200, 181, 197)` looks like.

```
.text, #text, p{  
    color:rgb(200, 181, 197)  
}
```

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(200, 181, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 181, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.3583, 0.3162, 0.3095 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(200, 181, 197) }
```

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

```
.border{ border-color:rgb(200, 181, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 181, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 181, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 181, 197);  
box-shadow:4px 4px 4px 4px rgb(200, 181,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3583, 0.3162, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 181, 197) }
```

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

```
.background{ background-color: rgb(200,  
181, 197) }
```

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