

Converting Colors

$Y_{xy}(50.1129, 0.3079, 0.2907)$

Have a look what the booklet for
Yxy(50.1129, 0.3079, 0.2907)
contains.

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Color

Yxy(50.2334, 0.3078, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	CCB4D4
RGB	204, 180, 212
RGB Percent	80%, 71%, 83%
CMY	0.2002, 0.2940, 0.1687
CMYK	0.04, 0.15, 0.00, 0.17
HSL	285°, 27%, 77%
HSV	285°, 15%, 83%
XYZ	53.0970, 50.2334, 69.1744
YIQ	190.8240, 4.0320, 15.0400

Conversions

Conversions Part 2

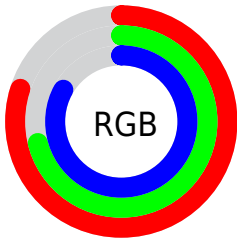
Format	Color
RYB	204, 180, 212
Decimal	13415636
CIELab	76.21, 14.33, -12.95
CIELCh	76, 19.310, 317.900
Yxy	50.2334, 0.3078, 0.2912
Android (android.graphics.Color)	4291605716 (0xFFCCB4D4)
YUV	190.8240, 10.4398, 11.5554
Hunter-Lab	70.8755, 9.6926, -8.2541

Details

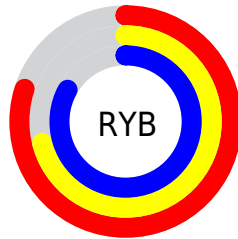
The Yxy color **50.2334, 0.3078, 0.2912** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.0729, 0.3168, 0.3683**, and the grayscale version is **51.9284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **24.0971, 0.3070, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **41.5808, 0.3037, 0.2647**, and if you desaturate by 10%, it is **60.2250, 0.3112, 0.3166**.

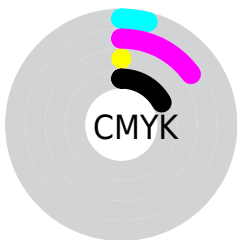
Distribution



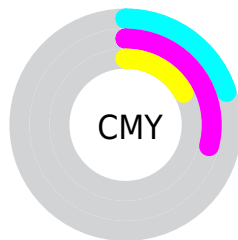
- Red (80%)
- Green (71%)
- Blue (83%)



- Red (80%)
- Yellow (71%)
- Blue (83%)



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)




- Cyan (20%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2334, 0.3078, 0.2912 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 50.2334, 0.3078, 0.2912 by changing the saturation by 10% instead.

 50.2334, 0.3078,
0.2912

 50.2334, 0.3078,
0.2912


387.5780, 0.3104,
0.3094

 35.5989, 0.3071,
0.2869


 90.5206, 0.3088,
0.2976

 24.1246, 0.3062,
0.2815


116.9421, 0.3091,
0.3001

 15.4261, 0.3049,
0.2744


148.0613, 0.3094,
0.3022

 9.1189, 0.3031,
0.2650

184.2627, 0.3097,
0.3040

 4.8188, 0.3004,
0.2517

225.9307, 0.3099,
0.3056

 2.1414, 0.2956,
0.2316

273.4496, 0.3101,

 0.6877, 0.2870,

0.3070

0.1947

327.2039, 0.3103,
0.3082

0.0000, 0.0000,
0.0000

50.2334, 0.3078,
0.2912

50.2334, 0.3078,
0.2912

41.5808, 0.3037,
0.2647

60.2250, 0.3112,
0.3166

34.2012, 0.2989,
0.2378

71.6048, 0.3140,
0.3406

28.0327, 0.2935,
0.2114

84.4276, 0.3163,
0.3628

23.0055, 0.2875,
0.1866

92.3201, 0.3189,
0.3737

19.0427, 0.2810,
0.1644

93.1900, 0.3223,
0.3732

■ 16.0577, 0.2742,
0.1460

■ 94.0869, 0.3257,
0.3728

■ 13.9499, 0.2674,
0.1320

■ 95.0109, 0.3291,
0.3723

■ 12.5968, 0.2608,
0.1227

■ 95.9622, 0.3326,
0.3718

■ 12.1001, 0.2576,
0.1192

■ 96.9412, 0.3361,
0.3714

Harmonies

Analogous

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



50.2334, 0.2835, 0.2853



50.2334, 0.3078, 0.2912



50.2334, 0.3344, 0.3061

Triad

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



50.2334, 0.3078, 0.2912



50.2334, 0.3596, 0.3670



50.2334, 0.2713, 0.3289

Complementary

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



50.2334, 0.3078, 0.2912



61.0729, 0.3168, 0.3683

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.



50.2334, 0.2903, 0.3535



50.2334, 0.3078, 0.2912



50.2334, 0.3413, 0.3757

Square

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



50.2334, 0.3078, 0.2912



50.2334, 0.3650, 0.3488



50.2334, 0.3159, 0.3710



50.2334, 0.2631, 0.3057

Rectangle

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



50.2334, 0.3078, 0.2912



50.2334, 0.3497, 0.3195



50.2334, 0.3159, 0.3710



50.2334, 0.2766, 0.3374

Sweetspot

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



50.2356, 0.3078, 0.2912



91.5312, 0.3112, 0.3167



50.6582, 0.2889, 0.2998



19.3460, 0.3110, 0.3149



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.



50.2356, 0.3078, 0.2912



72.0098, 0.3066, 0.2830



51.0308, 0.3204, 0.3003



12.4685, 0.3098, 0.3057



7.5207, 0.2585, 0.1198



0.4916, 0.2697, 0.1260

Inverse Universe

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



50.2786, 0.3340, 0.3195



72.1104, 0.3392, 0.3174



60.3939, 0.3059, 0.3595



12.4714, 0.3252, 0.3232



8.8147, 0.5913, 0.3031



0.5451, 0.5414, 0.2756

Previews

White Background



This preview shows how the Yxy color 50.2334, 0.3078, 0.2912 looks on a white background.

Color Contrast Check

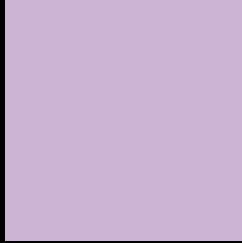
Large Text (above 18pt) WCAG AA × Fail

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 50.2334, 0.3078, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

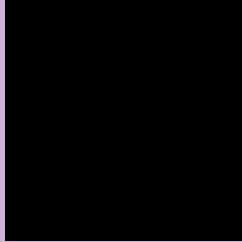
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2334, 0.3078, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 50.2334, 0.3078, 0.2912.



This preview shows how white text looks on a background with the Yxy color 50.2334, 0.3078, 0.2912.

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

50.2334, 0.3078, 0.2912

Protanopia

50.5658, 0.2883, 0.2934

Deuteranopia

50.1722, 0.3012, 0.2952



Tritanopia

50.4547, 0.3177, 0.3121

Trichromacy



Original Color

50.2334, 0.3078, 0.2912

Protanomaly

50.2636, 0.2951, 0.2914

Deuteranomaly

50.1648, 0.3036, 0.2942

Tritanomaly

50.4167, 0.3147, 0.3050

Monochromacy



Original Color

50.2334, 0.3078, 0.2912

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.3999, 0.3109, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2334, 0.3078, 0.2912 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(204, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 212)  
}
```

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(204, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 212) }
```

Border

The CSS property to change the border of an element to Yxy 50.2334, 0.3078, 0.2912 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(204, 180, 212) }
```

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

```
.border{ border-color:rgb(204, 180, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2334, 0.3078, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 212) }
```

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

```
.background{ background-color: rgb(204,  
180, 212) }
```

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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