

Converting Colors

$Y_{xy}(50.2591, 0.3103, 0.2903)$

Have a look what the booklet for
Yxy(50.2591, 0.3103, 0.2903)
contains.

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Color

Yxy(50.2591, 0.3103, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	CFB3D4
RGB	207, 179, 212
RGB Percent	81%, 70%, 83%
CMY	0.1885, 0.2979, 0.1687
CMYK	0.02, 0.16, 0.00, 0.17
HSL	291°, 28%, 77%
HSV	291°, 16%, 83%
XYZ	53.7217, 50.2591, 69.1474
YIQ	191.1340, 6.0950, 16.1990

Conversions

Conversions Part 2

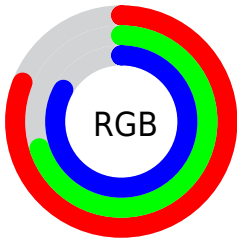
Format	Color
R _Y B	207, 179, 212
Decimal	13611988
CIE Lab	76.23, 15.87, -12.90
CIE LCh	76, 20.448, 320.899
Yxy	50.2591, 0.3103, 0.2903
Android (android.graphics.Color)	4291802068 (0xFFCFB3D4)
YUV	191.1340, 10.2869, 13.9145
Hunter-Lab	70.8937, 11.1995, -8.2040

Details

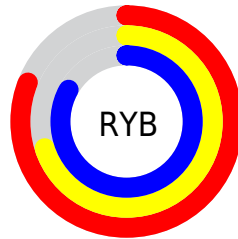
The Yxy color **50.2591, 0.3103, 0.2903** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.5359, 0.3145, 0.3699**, and the grayscale version is **52.1163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **24.0314, 0.3093, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **41.9427, 0.3082, 0.2644**, and if you desaturate by 10%, it is **59.8958, 0.3120, 0.3155**.

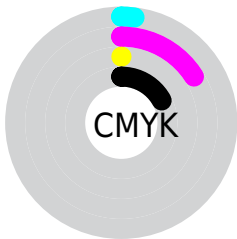
Distribution



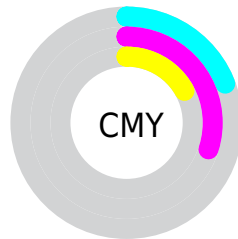
- Red (81%)
- Green (70%)
- Blue (83%)



- Red (81%)
- Yellow (70%)
- Blue (83%)



- Cyan (2%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)





- Cyan (19%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2591, 0.3103, 0.2903 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 50.2591, 0.3103, 0.2903 by changing the saturation by 10% instead.


 50.2591, 0.3103,
0.2903

 50.2591, 0.3103,
0.2903


387.6783, 0.3117,
0.3089

 35.6193, 0.3099,
0.2859


 90.5587, 0.3109,
0.2969

 24.1403, 0.3093,
0.2804


116.9872, 0.3111,
0.2994

 15.4378, 0.3086,
0.2732

148.1141, 0.3112,
0.3015

 9.1272, 0.3074,
0.2637

184.3239, 0.3113,
0.3034

 4.8242, 0.3055,
0.2502

226.0007, 0.3115,
0.3050

 2.1445, 0.3022,
0.2298

273.5292, 0.3116,

 0.6895, 0.2960,

0.3065

0.1927

327.2936, 0.3116,
0.3077

0.0000, 0.0000,
0.0000

50.2591, 0.3103,
0.2903

50.2591, 0.3103,
0.2903

41.9427, 0.3082,
0.2644

59.8958, 0.3120,
0.3155

34.8806, 0.3057,
0.2385

70.9019, 0.3132,
0.3395

29.0107, 0.3028,
0.2135

83.3321, 0.3142,
0.3620

24.2633, 0.2995,
0.1905

91.4767, 0.3155,
0.3742

20.5612, 0.2958,
0.1705

91.9879, 0.3175,
0.3739

■ 17.8174, 0.2919,
0.1543

■ 92.5091, 0.3196,
0.3736

■ 15.9310, 0.2879,
0.1425

■ 93.0402, 0.3217,
0.3733

■ 14.7778, 0.2839,
0.1352

■ 93.5812, 0.3238,
0.3730

■ 14.3991, 0.2821,
0.1328

■ 94.1324, 0.3258,
0.3728

Harmonies

Analogous

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



50.2591, 0.2840, 0.2830



50.2591, 0.3103, 0.2903



50.2591, 0.3383, 0.3068

Triad

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



50.2591, 0.3103, 0.2903



50.2591, 0.3609, 0.3706



50.2591, 0.2675, 0.3262

Complementary

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



50.2591, 0.3103, 0.2903



60.5359, 0.3145, 0.3699

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.



50.2591, 0.2866, 0.3525



50.2591, 0.3103, 0.2903



50.2591, 0.3405, 0.3787

Square

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



50.2591, 0.3103, 0.2903



50.2591, 0.3683, 0.3521



50.2591, 0.3132, 0.3723



50.2591, 0.2602, 0.3022

Rectangle

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



50.2591, 0.3103, 0.2903



50.2591, 0.3539, 0.3212



50.2591, 0.3132, 0.3723



50.2591, 0.2727, 0.3351

Sweetspot

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



50.2613, 0.3103, 0.2903



91.7648, 0.3120, 0.3167



48.8381, 0.2879, 0.2946



19.4029, 0.3119, 0.3150



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.



50.2613, 0.3103, 0.2903



71.5078, 0.3096, 0.2809



50.4639, 0.3233, 0.3032



12.5319, 0.3114, 0.3059



8.9259, 0.2827, 0.1331



0.5650, 0.2897, 0.1370

Inverse Universe

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



49.7107, 0.3375, 0.3230



70.5214, 0.3446, 0.3215



60.3858, 0.3035, 0.3563



12.4515, 0.3267, 0.3255



8.7164, 0.6177, 0.3176



0.5357, 0.5749, 0.2940

Previews

White Background



This preview shows how the Yxy color 50.2591, 0.3103, 0.2903 looks on a white background.

Color Contrast Check

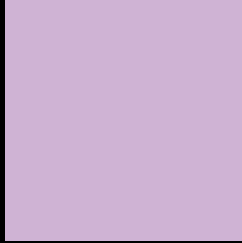
Large Text (above 18pt) WCAG AA × Fail

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 50.2591, 0.3103, 0.2903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

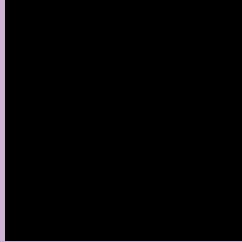
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2591, 0.3103, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 50.2591, 0.3103, 0.2903.



This preview shows how white text looks on a background with the Yxy color 50.2591, 0.3103, 0.2903.

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

50.2591, 0.3103, 0.2903

Protanopia

50.6177, 0.2876, 0.2922

Deuteranopia

50.3059, 0.3020, 0.2952



Tritanopia

50.4206, 0.3211, 0.3122

Trichromacy



Original Color

50.2591, 0.3103, 0.2903

Protanomaly

50.3937, 0.2959, 0.2915

Deuteranomaly

50.4384, 0.3053, 0.2944

Tritanomaly

50.4338, 0.3173, 0.3040

Monochromacy



Original Color

50.2591, 0.3103, 0.2903

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.5345, 0.3118, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2591, 0.3103, 0.2903 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(207, 179, 212)` looks like.

```
.text, #text, p{  
    color:rgb(207, 179, 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(207, 179, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 179, 212) }
```

Border

The CSS property to change the border of an element to Yxy 50.2591, 0.3103, 0.2903 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(207, 179, 212) }
```

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

```
.border{ border-color:rgb(207, 179, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 179, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 179, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 179, 212);  
box-shadow:4px 4px 4px 4px rgb(207, 179,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2591, 0.3103, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 179, 212) }
```

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

```
.background{ background-color: rgb(207,  
179, 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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