

Converting Colors

$Yxy(50.3185, 0.2980, 0.2766)$

Have a look what the booklet for
Yxy(50.3185, 0.2980, 0.2766)
contains.

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Color

Yxy(50.3185, 0.2980, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	CBB3E0
RGB	203, 179, 224
RGB Percent	80%, 70%, 88%
CMY	0.2038, 0.2981, 0.1215
CMYK	0.09, 0.20, 0.00, 0.12
HSL	272°, 42%, 79%
HSV	272°, 20%, 88%
XYZ	54.2115, 50.3185, 77.3879
YIQ	191.3060, -0.1410, 19.0830

Conversions

Conversions Part 2

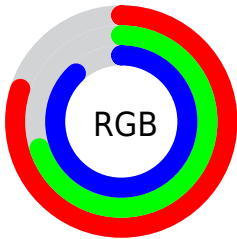
Format	Color
R _{YB}	203, 179, 224
Decimal	13349856
CIE Lab	76.26, 16.96, -19.41
CIE LCh	76, 25.778, 311.157
Yxy	50.3185, 0.2980, 0.2766
Android (android.graphics.Color)	4291539936 (0xFFCBB3E0)
YUV	191.3060, 16.1181, 10.2556
Hunter-Lab	70.9355, 12.2791, -15.0282

Details

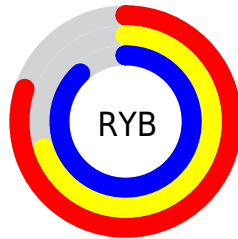
The Yxy color $50.3185, 0.2980, 0.2766$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $68.8509, 0.3251, 0.3819$, and the grayscale version is $52.1952, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8967, 0.3136, 0.3097$, and $24.1758, 0.2938, 0.2629$ is the 20% darker color. If you saturate the color by 10%, you get $40.6421, 0.2889, 0.2480$, and if you desaturate by 10%, it is $61.5565, 0.3059, 0.3037$.

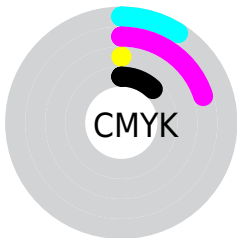
Distribution



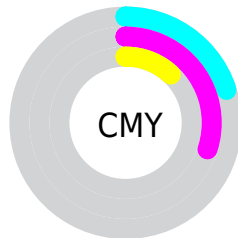
- Red (80%)
- Green (70%)
- Blue (88%)



- Red (80%)
- Yellow (70%)
- Blue (88%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)





- Cyan (20%)
- Magenta (30%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3185, 0.2980, 0.2766 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 50.3185, 0.2980, 0.2766 by changing the saturation by 10% instead.


 50.3185, 0.2980,
0.2766

 50.3185, 0.2980,
0.2766


387.9102, 0.3055,
0.3015

 35.6665, 0.2961,
0.2708


 90.6466, 0.3008,
0.2854

 24.1768, 0.2936,
0.2635


117.0915, 0.3018,
0.2887

 15.4648, 0.2903,
0.2541


148.2362, 0.3027,
0.2916

 9.1462, 0.2857,
0.2417

184.4651, 0.3034,
0.2941

 4.8367, 0.2788,
0.2246

226.1625, 0.3041,
0.2963

 2.1518, 0.2677,
0.1994

273.7129, 0.3046,

 0.6935, 0.2480,

0.2983

0.1570

327.5007, 0.3051,
0.3000

■ 0.0000, 0.0227,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.3185, 0.2980,
0.2766

■ 50.3185, 0.2980,
0.2766

■ 40.6421, 0.2889,
0.2480

■ 61.5565, 0.3059,
0.3037

■ 32.4487, 0.2785,
0.2187

■ 74.4171, 0.3127,
0.3288

■ 25.6623, 0.2672,
0.1895

■ 88.9660, 0.3183,
0.3517

■ 20.1973, 0.2550,
0.1619

■ 96.2780, 0.3243,
0.3598

■ 15.9585, 0.2425,
0.1372

■ 98.1628, 0.3309,
0.3591

■ 12.8376, 0.2301,
0.1169

■ 10.7058, 0.2184,
0.1019

■ 9.3488, 0.2079,
0.0919

Harmonies

Analogous

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



50.3185, 0.2680, 0.2716



50.3185, 0.2980, 0.2766



50.3185, 0.3337, 0.2937

Triad

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



50.3185, 0.2980, 0.2766



50.3185, 0.3785, 0.3742



50.3185, 0.2623, 0.3361

Complementary

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



50.3185, 0.2980, 0.2766



68.8509, 0.3251, 0.3819

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.



50.3185, 0.2898, 0.3686



50.3185, 0.2980, 0.2766



50.3185, 0.3571, 0.3902

Square

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



50.3185, 0.2980, 0.2766



50.3185, 0.3817, 0.3481



50.3185, 0.3244, 0.3890



50.3185, 0.2484, 0.3036

Rectangle

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



50.3185, 0.2980, 0.2766



50.3185, 0.3557, 0.3100



50.3185, 0.3244, 0.3890



50.3185, 0.2702, 0.3476

Sweetspot

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



50.3206, 0.2980, 0.2766



89.2964, 0.3088, 0.3141



56.2755, 0.2809, 0.3000



18.8742, 0.3083, 0.3124



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.



50.3206, 0.2980, 0.2766



61.9610, 0.2944, 0.2651



53.3883, 0.3162, 0.2808



13.6018, 0.3064, 0.3054



5.5098, 0.2094, 0.0927



0.4351, 0.2257, 0.1017

Inverse Universe

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



52.2556, 0.3345, 0.3052



65.0457, 0.3401, 0.3001



66.2187, 0.3092, 0.3824



13.8063, 0.3219, 0.3181



9.8334, 0.5095, 0.2581



0.6996, 0.4729, 0.2379

Previews

White Background



This preview shows how the Yxy color 50.3185, 0.2980, 0.2766 looks on a white background.

Color Contrast Check

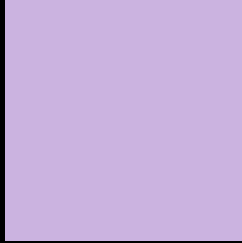
Large Text (above 18pt) WCAG AA × Fail

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 50.3185, 0.2980, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

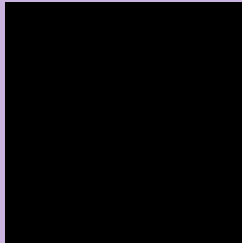
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3185, 0.2980, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 50.3185, 0.2980, 0.2766.



This preview shows how white text looks on a background with the Yxy color 50.3185, 0.2980, 0.2766.

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

50.3185, 0.2980, 0.2766

Protanopia

50.3587, 0.2766, 0.2769

Deuteranopia

50.4275, 0.2879, 0.2822



Tritanopia

50.5003, 0.3144, 0.3120

Trichromacy



Original Color

50.3185, 0.2980, 0.2766

Protanomaly

50.1044, 0.2843, 0.2764

Deuteranomaly

50.2529, 0.2917, 0.2803

Tritanomaly

50.2403, 0.3083, 0.2990

Monochromacy



Original Color

50.3185, 0.2980, 0.2766

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.4545, 0.3071, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3185, 0.2980, 0.2766 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(203, 179, 224)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 224)  
}
```

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(203, 179, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 224) }
```

Border

The CSS property to change the border of an element to Yxy 50.3185, 0.2980, 0.2766 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(203, 179, 224) }
```

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

```
.border{ border-color:rgb(203, 179, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 179, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 179, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 179, 224);  
box-shadow:4px 4px 4px 4px rgb(203, 179,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3185, 0.2980, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 179, 224) }
```

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

```
.background{ background-color: rgb(203,  
179, 224) }
```

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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