

Converting Colors

Yxy(50.1416, 0.2918, 0.2708)

Have a look what the booklet for
Yxy(50.1416, 0.2918, 0.2708)
contains.

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Color

Yxy(50.1767, 0.2920, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	C8B3E5
RGB	200, 179, 229
RGB Percent	78%, 70%, 90%
CMY	0.2156, 0.2980, 0.1020
CMYK	0.13, 0.22, 0.00, 0.10
HSL	265°, 49%, 80%
HSV	265°, 22%, 90%
XYZ	54.0849, 50.1767, 80.9606
YIQ	190.9790, -3.5340, 20.0020

Conversions

Conversions Part 2

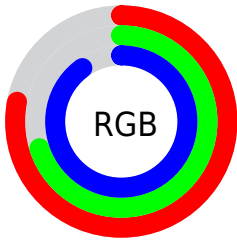
Format	Color
R _Y B	200, 179, 229
Decimal	13153253
CIE Lab	76.18, 17.02, -22.26
CIE LCh	76, 28.021, 307.390
Yxy	50.1767, 0.2920, 0.2709
Android (android.graphics.Color)	4291343333 (0xFFC8B3E5)
YUV	190.9790, 18.7444, 7.9114
Hunter-Lab	70.8355, 12.3276, -18.1800

Details

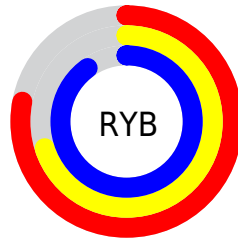
The Yxy color $50.1767, 0.2920, 0.2709$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $72.6990, 0.3302, 0.3862$, and the grayscale version is $51.9805, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8967, 0.3136, 0.3097$, and $24.0498, 0.2867, 0.2568$ is the 20% darker color. If you saturate the color by 10%, you get $40.0000, 0.2802, 0.2411$, and if you desaturate by 10%, it is $62.0405, 0.3023, 0.2988$.

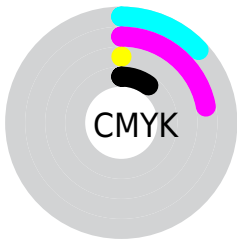
Distribution



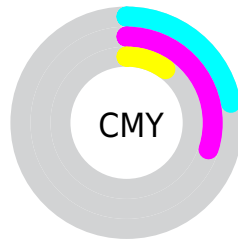
- Red (78%)
- Green (70%)
- Blue (90%)



- Red (78%)
- Yellow (70%)
- Blue (90%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (22%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1767, 0.2920, 0.2709 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 50.1767, 0.2920, 0.2709 by changing the saturation by 10% instead.

■ 50.1767, 0.2920,
0.2709

■ 50.1767, 0.2920,
0.2709

387.3565, 0.3025,
0.2984

■ 35.5538, 0.2894,
0.2645

■ 90.4366, 0.2958,
0.2806

■ 24.0898, 0.2860,
0.2565

116.8425, 0.2973,
0.2843

■ 15.4002, 0.2815,
0.2462

147.9447, 0.2985,
0.2875

■ 9.1008, 0.2753,
0.2327

184.1279, 0.2995,
0.2903

■ 4.8070, 0.2662,
0.2142

225.7762, 0.3004,
0.2927

■ 2.1345, 0.2518,
0.1872

273.2742, 0.3012,

■ 0.6839, 0.2270,

0.2948

0.1430

327.0061, 0.3019,
0.2967

0.0000, 0.0118,
0.0000

0.0000, 0.0000,
0.0000

50.1767, 0.2920,
0.2709

50.1767, 0.2920,
0.2709

40.0000, 0.2802,
0.2411

62.0405, 0.3023,
0.2988

31.4248, 0.2670,
0.2103

75.6591, 0.3112,
0.3245

24.3676, 0.2527,
0.1796

91.1038, 0.3188,
0.3478

18.7343, 0.2377,
0.1505

98.0806, 0.3267,
0.3543

■ 14.4201, 0.2227,
0.1246

■ 98.4370, 0.3280,
0.3542

■ 11.3047, 0.2084,
0.1036

■ 9.2448, 0.1956,
0.0884

■ 8.1580, 0.1865,
0.0801

Harmonies

Analogous

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



50.1767, 0.2610, 0.2672



50.1767, 0.2920, 0.2709



50.1767, 0.3306, 0.2878

Triad

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



50.1767, 0.2920, 0.2709



50.1767, 0.3859, 0.3747



50.1767, 0.2610, 0.3414

Complementary

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



50.1767, 0.2920, 0.2709



72.6990, 0.3302, 0.3862

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.



50.1767, 0.2921, 0.3761



50.1767, 0.2920, 0.2709



50.1767, 0.3646, 0.3942

Square

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



50.1767, 0.2920, 0.2709



50.1767, 0.3867, 0.3455



50.1767, 0.3300, 0.3959



50.1767, 0.2440, 0.3052

Rectangle

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



50.1767, 0.2920, 0.2709



50.1767, 0.3553, 0.3048



50.1767, 0.3300, 0.3959



50.1767, 0.2701, 0.3538

Sweetspot

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



50.1788, 0.2920, 0.2709



87.2255, 0.3068, 0.3115



60.4330, 0.2785, 0.3042



18.4455, 0.3062, 0.3099



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.



50.1788, 0.2920, 0.2709



58.1721, 0.2871, 0.2582



53.8775, 0.3119, 0.2743



14.1817, 0.3046, 0.3052



4.7317, 0.1881, 0.0810



0.4033, 0.2045, 0.0900

Inverse Universe

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



53.4508, 0.3321, 0.2968



63.0795, 0.3369, 0.2901



69.3796, 0.3127, 0.3893



14.5074, 0.3202, 0.3155



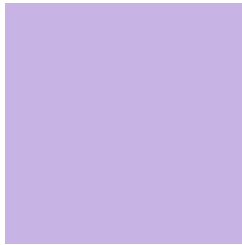
10.5129, 0.4620, 0.2319



0.7953, 0.4358, 0.2174

Previews

White Background



This preview shows how the Yxy color 50.1767, 0.2920, 0.2709 looks on a white background.

Color Contrast Check

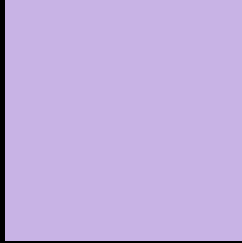
Large Text (above 18pt) WCAG AA × Fail

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 50.1767, 0.2920, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

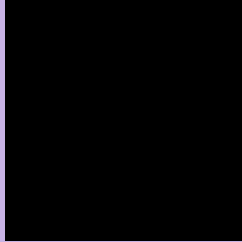
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1767, 0.2920, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 50.1767, 0.2920, 0.2709.



This preview shows how white text looks on a background with the Yxy color 50.1767, 0.2920, 0.2709.

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

50.1767, 0.2920, 0.2709

Protanopia

50.2884, 0.2712, 0.2711

Deuteranopia

50.3215, 0.2822, 0.2763



Tritanopia

50.0066, 0.3103, 0.3106

Trichromacy



Original Color

50.1767, 0.2920, 0.2709

Protanomaly

50.0075, 0.2787, 0.2706

Deuteranomaly

50.1337, 0.2858, 0.2744

Tritanomaly

49.9794, 0.3036, 0.2953

Monochromacy



Original Color

50.1767, 0.2920, 0.2709

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.4178, 0.3048, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1767, 0.2920, 0.2709 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, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(200, 179, 229)  
}
```

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, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 179, 229) }
```

Border

The CSS property to change the border of an element to Yxy 50.1767, 0.2920, 0.2709 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, 179, 229) }
```

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

```
.border{ border-color:rgb(200, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 179, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 179, 229);  
box-shadow:4px 4px 4px 4px rgb(200, 179,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1767, 0.2920, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 179, 229) }
```

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

```
.background{ background-color: rgb(200,  
179, 229) }
```

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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