

Converting Colors

$Yxy(50.3495, 0.3005, 0.2785)$

Have a look what the booklet for
Yxy(50.3495, 0.3005, 0.2785)
contains.

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Color

Yxy(50.3515, 0.3003, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	CCB3DE
RGB	204, 179, 222
RGB Percent	80%, 70%, 87%
CMY	0.1998, 0.2981, 0.1294
CMYK	0.08, 0.19, 0.00, 0.13
HSL	275°, 39%, 79%
HSV	275°, 19%, 87%
XYZ	54.2150, 50.3515, 75.9696
YIQ	191.3770, 1.0970, 18.6730

Conversions

Conversions Part 2

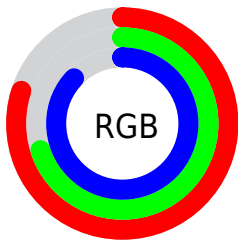
Format	Color
R_{YB}	204, 179, 222
Decimal	13415390
CIE _{Lab}	76.28, 16.89, -18.28
CIE _{LCh}	76, 24.883, 312.737
Yxy	50.3515, 0.3003, 0.2789
Android (android.graphics.Color)	4291605470 (0xFFCCB3DE)
YUV	191.3770, 15.0971, 11.0704
Hunter-Lab	70.9588, 12.2023, -13.8056

Details

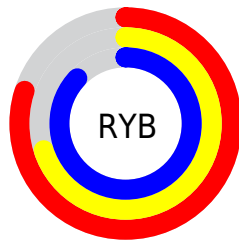
The Yxy color **50.3515, 0.3003, 0.2789** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.3619, 0.3231, 0.3800**, and the grayscale version is **52.2442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **24.1958, 0.2968, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **40.8887, 0.2923, 0.2508**, and if you desaturate by 10%, it is **61.3291, 0.3072, 0.3056**.

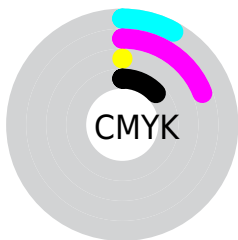
Distribution



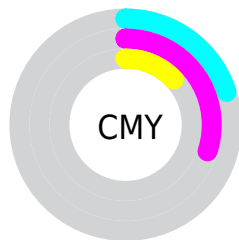
- Red (80%)
- Green (70%)
- Blue (87%)



- Red (80%)
- Yellow (70%)
- Blue (87%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)





- Cyan (20%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3515, 0.3003, 0.2789 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 50.3515, 0.3003, 0.2789 by changing the saturation by 10% instead.


 50.3515, 0.3003,
0.2789

 50.3515, 0.3003,
0.2789


388.0389, 0.3067,
0.3027

 35.6928, 0.2987,
0.2733


 90.6955, 0.3027,
0.2873

 24.1970, 0.2965,
0.2663


117.1495, 0.3035,
0.2905

 15.4798, 0.2937,
0.2573


148.3040, 0.3043,
0.2933

 9.1568, 0.2897,
0.2454

184.5435, 0.3049,
0.2957

 4.8436, 0.2837,
0.2288

226.2524, 0.3054,
0.2978

 2.1558, 0.2739,
0.2044

273.8150, 0.3059,

 0.6957, 0.2564,

0.2996

0.1629

327.6157, 0.3063,
0.3013

0.0000, 0.0250,
0.0000

0.0000, 0.0000,
0.0000

50.3515, 0.3003,
0.2789

50.3515, 0.3003,
0.2789

40.8887, 0.2923,
0.2508

61.3291, 0.3072,
0.3056

32.8645, 0.2832,
0.2220

73.8802, 0.3131,
0.3305

26.2055, 0.2731,
0.1935

88.0683, 0.3179,
0.3533

20.8295, 0.2622,
0.1666

95.5165, 0.3232,
0.3620

■ 16.6446, 0.2510,
0.1426

■ 97.1908, 0.3292,
0.3614

■ 13.5467, 0.2397,
0.1228

■ 98.0541, 0.3321,
0.3611

■ 11.4123, 0.2289,
0.1080

■ 10.0404, 0.2189,
0.0982

■ 9.9646, 0.2182,
0.0976

Harmonies

Analogous

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



50.3515, 0.2708, 0.2734



50.3515, 0.3003, 0.2789



50.3515, 0.3348, 0.2960

Triad

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



50.3515, 0.3003, 0.2789



50.3515, 0.3755, 0.3739



50.3515, 0.2630, 0.3342

Complementary

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



50.3515, 0.3003, 0.2789



67.3619, 0.3231, 0.3800

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.



50.3515, 0.2890, 0.3657



50.3515, 0.3003, 0.2789



50.3515, 0.3541, 0.3884

Square

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



50.3515, 0.3003, 0.2789



50.3515, 0.3796, 0.3490



50.3515, 0.3223, 0.3862



50.3515, 0.2502, 0.3031

Rectangle

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



50.3515, 0.3003, 0.2789



50.3515, 0.3557, 0.3120



50.3515, 0.3223, 0.3862



50.3515, 0.2704, 0.3452

Sweetspot

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



50.3536, 0.3003, 0.2789



89.4320, 0.3093, 0.3141



55.0754, 0.2820, 0.2994



18.9063, 0.3089, 0.3125



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.



50.3536, 0.3003, 0.2789



63.7653, 0.2974, 0.2683



52.8879, 0.3172, 0.2841



13.6356, 0.3072, 0.3054



5.9853, 0.2196, 0.0984



0.4671, 0.2349, 0.1067

Inverse Universe

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



51.7953, 0.3353, 0.3084



66.1099, 0.3409, 0.3042



65.1979, 0.3084, 0.3784



13.7950, 0.3227, 0.3192



9.7116, 0.5298, 0.2692



0.6907, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 50.3515, 0.3003, 0.2789 looks on a white background.

Color Contrast Check

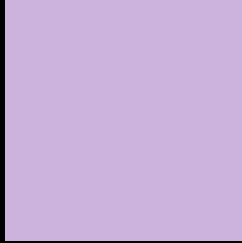
Large Text (above 18pt) WCAG AA × Fail

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 50.3515, 0.3003, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

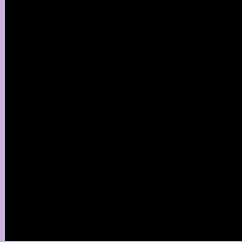
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3515, 0.3003, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 50.3515, 0.3003, 0.2789.



This preview shows how white text looks on a background with the Yxy color 50.3515, 0.3003, 0.2789.

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

50.3515, 0.3003, 0.2789

Protanopia

50.6704, 0.2779, 0.2804

Deuteranopia

50.5778, 0.2908, 0.2846



Tritanopia

50.2235, 0.3153, 0.3108

Trichromacy



Original Color

50.3515, 0.3003, 0.2789

Protanomaly

50.4086, 0.2857, 0.2798

Deuteranomaly

50.4121, 0.2947, 0.2827

Tritanomaly

50.3784, 0.3091, 0.2990

Monochromacy



Original Color

50.3515, 0.3003, 0.2789

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.5407, 0.3087, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3515, 0.3003, 0.2789 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, 179, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 222)  
}
```

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, 179, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 222) }
```

Border

The CSS property to change the border of an element to Yxy 50.3515, 0.3003, 0.2789 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, 179, 222) }
```

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

```
.border{ border-color:rgb(204, 179, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3515, 0.3003, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 222) }
```

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

```
.background{ background-color: rgb(204,  
179, 222) }
```

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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