

Converting Colors

$Yxy(51.3702, 0.2918, 0.2690)$

Have a look what the booklet for
Yxy(51.3702, 0.2918, 0.2690)
contains.

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Color

Yxy(51.2222, 0.2915, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	CBB4E9
RGB	203, 180, 233
RGB Percent	80%, 71%, 91%
CMY	0.2040, 0.2941, 0.0863
CMYK	0.13, 0.23, 0.00, 0.09
HSL	266°, 55%, 81%
HSV	266°, 23%, 91%
XYZ	55.6514, 51.2222, 84.0403
YIQ	192.9190, -3.3050, 21.3590

Conversions

Conversions Part 2

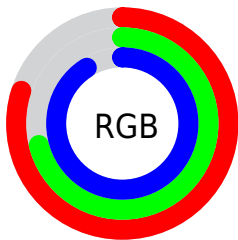
Format	Color
R _Y B	203, 180, 233
Decimal	13350121
CIE Lab	76.81, 18.24, -23.44
CIE LCh	77, 29.696, 307.889
Yxy	51.2222, 0.2915, 0.2683
Android (android.graphics.Color)	4291540201 (0xFFCBB4E9)
YUV	192.9190, 19.7599, 8.8410
Hunter-Lab	71.5697, 13.5517, -19.5222

Details

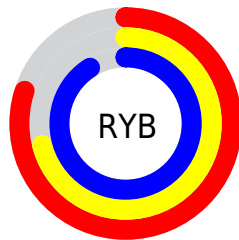
The Yxy color $51.2222, 0.2915, 0.2683$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $75.2782, 0.3304, 0.3889$, and the grayscale version is $53.1612, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $24.6490, 0.2851, 0.2534$ is the 20% darker color. If you saturate the color by 10%, you get $40.8184, 0.2798, 0.2385$, and if you desaturate by 10%, it is $63.3694, 0.3017, 0.2964$.

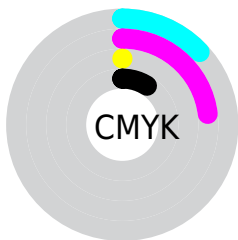
Distribution



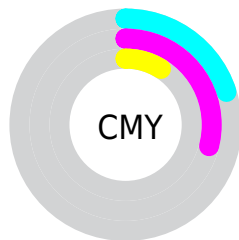
- Red (80%)
- Green (71%)
- Blue (91%)



- Red (80%)
- Yellow (71%)
- Blue (91%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)




- Cyan (20%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2222, 0.2915, 0.2683 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 51.2222, 0.2915, 0.2683 by changing the saturation by 10% instead.


 51.2222, 0.2915,
0.2683

 51.2222, 0.2915,
0.2683

391.4265, 0.3022,
0.2969

 36.3855, 0.2888,
0.2617


 91.9831, 0.2954,
0.2783

 24.7321, 0.2854,
0.2535


118.6761, 0.2969,
0.2822

 15.8775, 0.2808,
0.2430


150.0900, 0.2981,
0.2855

 9.4375, 0.2746,
0.2292

186.6092, 0.2992,
0.2884

 5.0277, 0.2654,
0.2105

228.6180, 0.3001,
0.2909

 2.2635, 0.2510,
0.1836

276.5009, 0.3009,

 0.7543, 0.2262,

0.2931

0.1417

330.6423, 0.3016,
0.2951

0.0000, 0.0788,
0.0000

0.0000, 0.0000,
0.0000

51.2222, 0.2915,
0.2683

51.2222, 0.2915,
0.2683

40.8184, 0.2798,
0.2385

63.3694, 0.3017,
0.2964

32.0685, 0.2668,
0.2078

77.3308, 0.3105,
0.3223

24.8850, 0.2527,
0.1773

93.1810, 0.3180,
0.3459

19.1691, 0.2380,
0.1485

98.6629, 0.3256,
0.3503

■ 14.8104, 0.2232,
0.1232

■ 11.6821, 0.2092,
0.1029

■ 9.6319, 0.1966,
0.0885

■ 8.6477, 0.1886,
0.0813

Harmonies

Analogous

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



51.2222, 0.2588, 0.2641



51.2222, 0.2915, 0.2683



51.2222, 0.3321, 0.2862

Triad

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



51.2222, 0.2915, 0.2683



51.2222, 0.3895, 0.3773



51.2222, 0.2580, 0.3413

Complementary

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



51.2222, 0.2915, 0.2683



75.2782, 0.3304, 0.3889

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.



51.2222, 0.2903, 0.3782



51.2222, 0.2915, 0.2683



51.2222, 0.3667, 0.3978

Square

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



51.2222, 0.2915, 0.2683



51.2222, 0.3908, 0.3466



51.2222, 0.3301, 0.3995



51.2222, 0.2404, 0.3032

Rectangle

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



51.2222, 0.2915, 0.2683



51.2222, 0.3581, 0.3040



51.2222, 0.3301, 0.3995



51.2222, 0.2674, 0.3545

Sweetspot

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



51.2243, 0.2915, 0.2683



87.2671, 0.3069, 0.3115



61.6997, 0.2770, 0.3020



18.4551, 0.3064, 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.



51.2243, 0.2915, 0.2683



56.9977, 0.2865, 0.2554



55.2659, 0.3125, 0.2720



14.8681, 0.3048, 0.3051



4.9773, 0.1902, 0.0821



0.4467, 0.2056, 0.0907

Inverse Universe

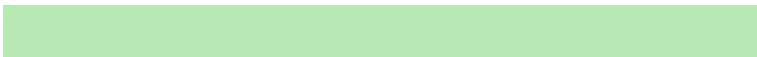
The Inverse Universe completely reimagines the original color for something new.



54.6265, 0.3337, 0.2961



61.8863, 0.3388, 0.2894



71.7057, 0.3121, 0.3923



15.1971, 0.3204, 0.3157



10.8009, 0.4676, 0.2349



0.8674, 0.4416, 0.2207

Previews

White Background



This preview shows how the Yxy color 51.2222, 0.2915, 0.2683 looks on a white background.

Color Contrast Check

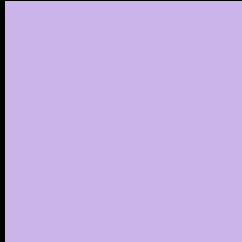
Large Text (above 18pt) WCAG AA × Fail

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 51.2222, 0.2915, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

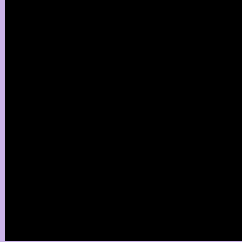
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2222, 0.2915, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 51.2222, 0.2915, 0.2683.



This preview shows how white text looks on a background with the Yxy color 51.2222, 0.2915, 0.2683.

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

51.2222, 0.2915, 0.2683

Protanopia

51.4866, 0.2697, 0.2694

Deuteranopia

51.5088, 0.2804, 0.2745



Tritanopia

51.3406, 0.3111, 0.3108

Trichromacy



Original Color

51.2222, 0.2915, 0.2683

Protanomaly

51.1932, 0.2770, 0.2689

Deuteranomaly

51.4446, 0.2847, 0.2728

Tritanomaly

51.3644, 0.3037, 0.2945

Monochromacy



Original Color

51.2222, 0.2915, 0.2683

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.3908, 0.3050, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2222, 0.2915, 0.2683 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, 180, 233)` looks like.

```
.text, #text, p{  
    color:rgb(203, 180, 233)  
}
```

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, 180, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 180, 233) }
```

Border

The CSS property to change the border of an element to Yxy 51.2222, 0.2915, 0.2683 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, 180, 233) }
```

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

```
.border{ border-color:rgb(203, 180, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 180, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 180, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 180, 233);  
box-shadow:4px 4px 4px 4px rgb(203, 180,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2222, 0.2915, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 180, 233) }
```

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

```
.background{ background-color: rgb(203,  
180, 233) }
```

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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