

Converting Colors

$Y_{xy}(25.2477, 0.2581, 0.1553)$

Have a look what the booklet for
Yxy(25.2477, 0.2581, 0.1553)
contains.

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Color

Yxy(25.3109, 0.2580, 0.1553)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BB5CFD |
| RGB | 187, 92, 253 |
| RGB Percent | 73%, 36%, 99% |
| CMY | 0.2668, 0.6392, 0.0077 |
| CMYK | 0.26, 0.64, 0.00, 0.01 |
| HSL | 275°, 98%, 68% |
| HSV | 275°, 64%, 99% |
| XYZ | 42.0490, 25.3109, 95.6208 |
| YIQ | 138.7590, 4.9390, 70.2110 |

Conversions

Conversions Part 2

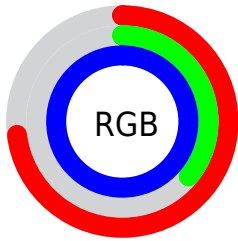
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 187, 92, 253 |
| Decimal | 12279037 |
| CIE _{Lab} | 57.38, 64.71, -65.01 |
| CIE _{LCh} | 57, 91.726, 314.864 |
| Yxy | 25.3109, 0.2580, 0.1553 |
| Android (android.graphics.Color) | 4290469117 (0xFFBB5CFD) |
| YUV | 138.7590, 56.3208, 42.3074 |
| Hunter-Lab | 50.3099, 61.1478, -77.4716 |

Details

The Yxy color **25.3109, 0.2580, 0.1553** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **78.3167, 0.3366, 0.5151**, and the grayscale version is **25.5008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8616, 0.3109, 0.2226**, and **9.7513, 0.2383, 0.1193** is the 20% darker color. If you saturate the color by 10%, you get **20.3733, 0.2468, 0.1331**, and if you desaturate by 10%, it is **31.8081, 0.2690, 0.1811**.

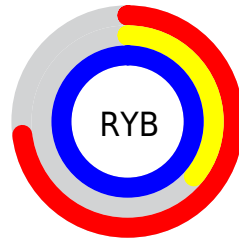
Distribution



Red (73%)

Green (36%)

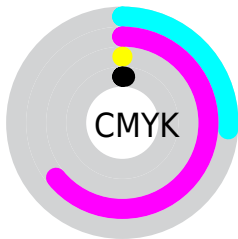
Blue (99%)



Red (73%)

Yellow (36%)

Blue (99%)

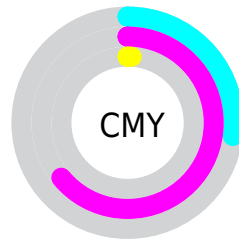


Cyan (26%)

Magenta (64%)

Yellow (0%)

Black (1%)



Cyan (27%)


Magenta (64%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3109, 0.2580, 0.1553 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 25.3109, 0.2580, 0.1553 by changing the saturation by 10% instead.


 25.3109, 0.2580,
0.1553


 25.3109, 0.2580,
0.1553


279.3827, 0.2899,
0.2343


 16.3088, 0.2492,
0.1386


 52.1611, 0.2703,
0.1819

 9.7430, 0.2377,
0.1189


 70.7781, 0.2748,
0.1925

 5.2289, 0.2223,
0.0959


 93.3689, 0.2784,
0.2017

 2.3822, 0.2009,
0.0694

 120.3177, 0.2815,
0.2099

 0.8167, 0.1709,
0.0405

152.0092, 0.2841,
0.2171

 0.0000, 0.1303,
0.0000

188.8276, 0.2863,

 0.0000, 0.0494,

0.2235

0.0000

231.1573, 0.2883,
0.2292

■ 0.0000, 0.0000,
0.0000

■ 25.3109, 0.2580,
0.1553

■ 25.3109, 0.2580,
0.1553

■ 20.3733, 0.2468,
0.1331

■ 31.8081, 0.2690,
0.1811

■ 16.8383, 0.2358,
0.1157

■ 39.9955, 0.2794,
0.2091


■ 14.5191, 0.2254,
0.1036

■ 49.9927, 0.2888,
0.2380

■ 13.5051, 0.2192,
0.0981

■ 61.9073, 0.2972,
0.2666

■ 75.8385, 0.3045,
0.2942

 91.8784, 0.3107,
0.3201

99.8736, 0.3139,
0.3309

Harmonies

Analogous

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



25.3109, 0.1564, 0.1327



25.3109, 0.2580, 0.1553



25.3109, 0.4131, 0.2073

Triad

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



25.3109, 0.2580, 0.1553



25.3109, 0.5349, 0.4521



25.3109, 0.1117, 0.3154

Complementary

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



25.3109, 0.2580, 0.1553



78.3167, 0.3366, 0.5151

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.



25.3109, 0.1834, 0.5168



25.3109, 0.2580, 0.1553



25.3109, 0.4229, 0.5611

Square

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



25.3109, 0.2580, 0.1553



25.3109, 0.5964, 0.3581



25.3109, 0.2983, 0.6237



25.3109, 0.0910, 0.1910

Rectangle

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



25.3109, 0.2580, 0.1553



25.3109, 0.5172, 0.2541



25.3109, 0.2983, 0.6237



25.3109, 0.1292, 0.3782

Sweetspot

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



25.3119, 0.2580, 0.1553



69.3114, 0.3007, 0.2796



34.2009, 0.2076, 0.2054



13.9903, 0.2986, 0.2716



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.



25.3119, 0.2580, 0.1553



19.7509, 0.2441, 0.1285



34.8124, 0.3325, 0.1928



17.9072, 0.3072, 0.3051



7.2698, 0.2207, 0.0990



0.7718, 0.2318, 0.1050

Inverse Universe

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



31.0150, 0.4309, 0.2645



26.5330, 0.4680, 0.2603



73.5730, 0.2984, 0.5212



18.1106, 0.3229, 0.3193



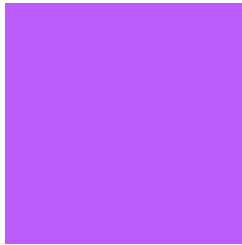
11.6654, 0.5342, 0.2717



1.1569, 0.5045, 0.2553

Previews

White Background



This preview shows how the Yxy color 25.3109, 0.2580, 0.1553 looks on a white background.

Color Contrast Check

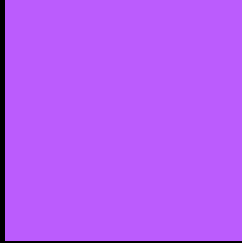
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3109, 0.2580, 0.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

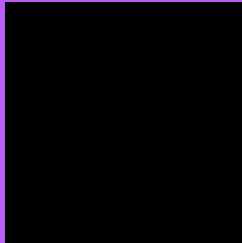
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3109, 0.2580, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 25.3109, 0.2580, 0.1553.

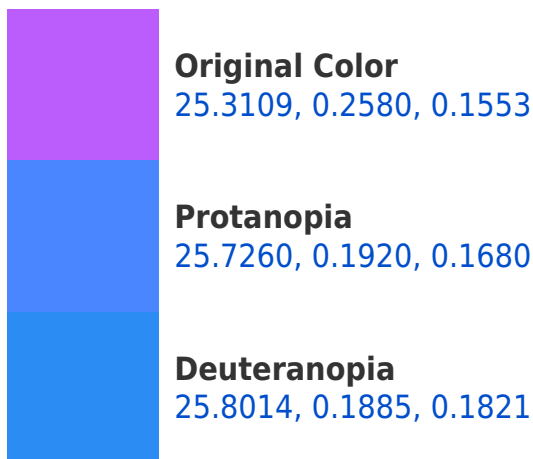


This preview shows how white text looks on a background with the Yxy color 25.3109, 0.2580, 0.1553.

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





Tritanopia

25.1718, 0.3504, 0.3154

Trichromacy



Original Color

25.3109, 0.2580, 0.1553



Protanomaly

23.9942, 0.2072, 0.1576



Deuteranomaly

23.3142, 0.2001, 0.1632



Tritanomaly

24.2880, 0.3112, 0.2391

Monochromacy



Original Color

25.3109, 0.2580, 0.1553



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2823, 0.2904, 0.2440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3109, 0.2580, 0.1553 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(187, 92, 253)` looks like.

```
.text, #text, p{  
    color:rgb(187, 92, 253)  
}
```

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(187, 92, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 92, 253) }
```

Border

The CSS property to change the border of an element to Yxy 25.3109, 0.2580, 0.1553 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(187, 92, 253) }
```

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

```
.border{ border-color:rgb(187, 92, 253) }
```

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

Here you see how a box with a 4 pixel rgb(187, 92, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 92, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 92, 253);  
box-shadow:4px 4px 4px 4px rgb(187, 92,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3109, 0.2580, 0.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 92, 253) }
```

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

```
.background{ background-color: rgb(187, 92,  
253) }
```

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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