

Converting Colors

$Y_{xy}(23.5158, 0.2613, 0.1568)$

Have a look what the booklet for
Yxy(23.5158, 0.2613, 0.1568)
contains.

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Color

Yxy(23.5178, 0.2613, 0.1568)

Conversions

Conversions Part 1

Format	Color
Hex	B758F3
RGB	183, 88, 243
RGB Percent	72%, 35%, 95%
CMY	0.2825, 0.6548, 0.0470
CMYK	0.25, 0.64, 0.00, 0.05
HSL	277°, 87%, 65%
HSV	277°, 64%, 95%
XYZ	39.1913, 23.5178, 87.2768
YIQ	134.0750, 6.8650, 68.3450

Conversions

Conversions Part 2

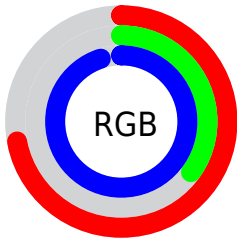
Format	Color
R _Y B	183, 88, 243
Decimal	12015859
CIE Lab	55.60, 63.52, -62.33
CIE LCh	56, 88.999, 315.542
Yxy	23.5178, 0.2613, 0.1568
Android (android.graphics.Color)	4290205939 (0xFFB758F3)
YUV	134.0750, 53.7000, 42.9072
Hunter-Lab	48.4952, 59.3882, -72.7577

Details

The Yxy color **23.5178, 0.2613, 0.1568** 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 **71.1154, 0.3344, 0.5165**, and the grayscale version is **23.6686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7422, 0.3067, 0.2175**, and **8.7839, 0.2408, 0.1191** is the 20% darker color. If you saturate the color by 10%, you get **19.0551, 0.2507, 0.1351**, and if you desaturate by 10%, it is **29.3886, 0.2717, 0.1821**.

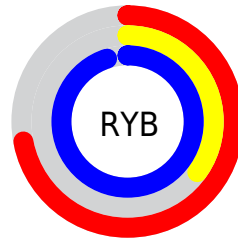
Distribution



Red (72%)

Green (35%)

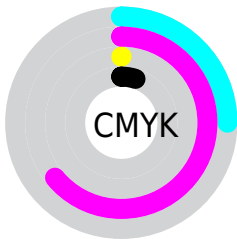
Blue (95%)



Red (72%)

Yellow (35%)

Blue (95%)

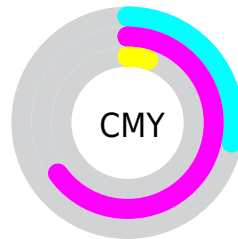


Cyan (25%)

Magenta (64%)

Yellow (0%)

Black (5%)



Cyan (28%)


Magenta (65%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5178, 0.2613, 0.1568 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 23.5178, 0.2613, 0.1568 by changing the saturation by 10% instead.


 23.5178, 0.2613,
0.1568


 23.5178, 0.2613,
0.1568


270.3735, 0.2919,
0.2364


 14.9763, 0.2526,
0.1397


 49.2422, 0.2733,
0.1838


 8.8028, 0.2411,
0.1194


 67.1938, 0.2776,
0.1945

 4.6128, 0.2255,
0.0955


 89.0510, 0.2811,
0.2038

 2.0219, 0.2035,
0.0679

 115.1981, 0.2840,
0.2120

 0.6201, 0.1721,
0.0365

146.0195, 0.2865,
0.2192

 0.0000, 0.1278,
0.0000

181.8996, 0.2886,


 0.0000, 0.0094,


0.2256


0.0000


223.2228, 0.2904,
0.2313


 0.0000, 0.0000,
0.0000


 23.5178, 0.2613,
0.1568


 23.5178, 0.2613,
0.1568


 19.0551, 0.2507,
0.1351


 29.3886, 0.2717,
0.1821


 15.8582, 0.2402,
0.1181


 36.7854, 0.2814,
0.2096

 13.7584, 0.2303,
0.1063

 45.8164, 0.2903,
0.2382

 12.8491, 0.2245,
0.1010

 56.5790, 0.2981,
0.2666

 69.1629, 0.3050,
0.2939

83.6513, 0.3108,
0.3197

98.1076, 0.3158,
0.3406

99.2518, 0.3197,
0.3405

Harmonies

Analogous

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



23.5178, 0.1587, 0.1336



23.5178, 0.2613, 0.1568



23.5178, 0.4164, 0.2093

Triad

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



23.5178, 0.2613, 0.1568



23.5178, 0.5323, 0.4546



23.5178, 0.1116, 0.3118

Complementary

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



23.5178, 0.2613, 0.1568



71.1154, 0.3344, 0.5165

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.



23.5178, 0.1819, 0.5112



23.5178, 0.2613, 0.1568



23.5178, 0.4203, 0.5628

Square

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



23.5178, 0.2613, 0.1568



23.5178, 0.5948, 0.3604



23.5178, 0.2960, 0.6218



23.5178, 0.0917, 0.1899

Rectangle

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



23.5178, 0.2613, 0.1568



23.5178, 0.5191, 0.2562



23.5178, 0.2960, 0.6218



23.5178, 0.1287, 0.3736

Sweetspot

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



23.5187, 0.2613, 0.1568



69.5003, 0.3015, 0.2797



30.3664, 0.2067, 0.2018



14.0361, 0.2995, 0.2718



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.



23.5187, 0.2613, 0.1568



19.8879, 0.2471, 0.1287



31.6146, 0.3352, 0.1948



16.4292, 0.3076, 0.3052



7.1314, 0.2259, 0.1018



0.6859, 0.2377, 0.1083

Inverse Universe

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



28.1804, 0.4360, 0.2682



26.0933, 0.4781, 0.2646



67.1740, 0.2974, 0.5182



16.5888, 0.3233, 0.3199



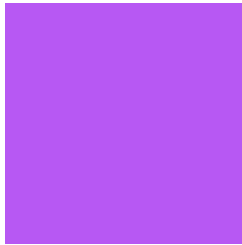
10.9273, 0.5431, 0.2765



0.9799, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 23.5178, 0.2613, 0.1568 looks on a white background.

Color Contrast Check

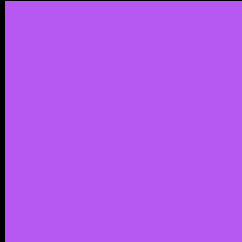
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5178, 0.2613, 0.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

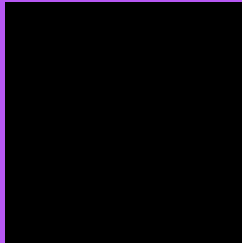
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5178, 0.2613, 0.1568

Background



This preview shows how black text looks on a background with the Yxy color 23.5178, 0.2613, 0.1568.

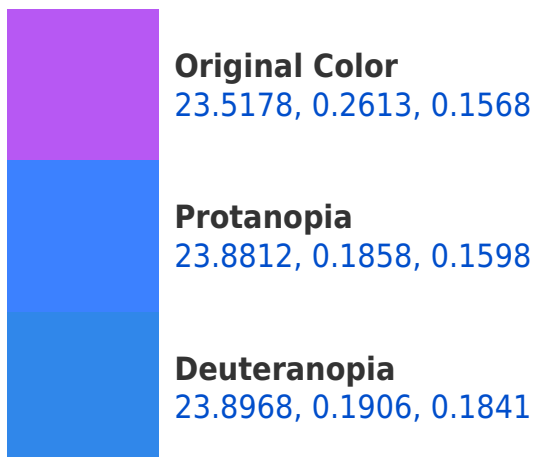


This preview shows how white text looks on a background with the Yxy color 23.5178, 0.2613, 0.1568.

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

23.2060, 0.3546, 0.3135

Trichromacy



Original Color

23.5178, 0.2613, 0.1568



Protanomaly

22.0029, 0.2014, 0.1515



Deuteranomaly

21.6127, 0.2035, 0.1647



Tritanomaly

22.5738, 0.3157, 0.2399

Monochromacy



Original Color

23.5178, 0.2613, 0.1568



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4540, 0.2918, 0.2431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5178, 0.2613, 0.1568 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(183, 88, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 88, 243)  
}
```

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(183, 88, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 88, 243) }
```

Border

The CSS property to change the border of an element to Yxy 23.5178, 0.2613, 0.1568 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(183, 88, 243) }
```

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

```
.border{ border-color:rgb(183, 88, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 88, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 88, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 88, 243);  
box-shadow:4px 4px 4px 4px rgb(183, 88,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5178, 0.2613, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 88, 243) }
```

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

```
.background{ background-color: rgb(183, 88,  
243) }
```

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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