

Converting Colors

$Y_{xy}(27.7576, 0.2314, 0.1255)$

Have a look what the booklet for
Yxy(27.7576, 0.2314, 0.1255)
contains.

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Color

Yxy(24.3310, 0.2596, 0.1484)

Conversions

Conversions Part 1

Format	Color
Hex	BF52FF
RGB	191, 82, 255
RGB Percent	75%, 32%, 100%
CMY	0.2508, 0.6786, 0.0000
CMYK	0.25, 0.68, 0.00, 0.00
HSL	278°, 100%, 66%
HSV	278°, 68%, 100%
XYZ	42.5629, 24.3310, 97.0617
YIQ	134.3130, 9.4310, 76.9110

Conversions

Conversions Part 2

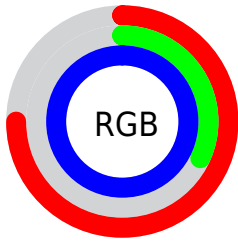
Format	Color
R _Y B	191, 82, 255
Decimal	12538623
CIE Lab	56.42, 70.39, -67.63
CIE LCh	56, 97.608, 316.146
Yxy	24.3310, 0.2596, 0.1484
Android (android.graphics.Color)	4290728703 (0xFFBF52FF)
YUV	134.3130, 59.4987, 49.7145
Hunter-Lab	49.3265, 67.7029, -82.1388

Details

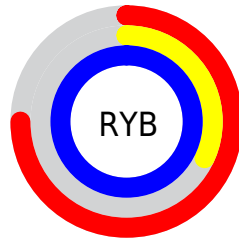
The Yxy color **24.3310, 0.2596, 0.1484** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **78.2309, 0.3323, 0.5292**, and the grayscale version is **23.7325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9062, 0.3145, 0.2158**, and **9.1997, 0.2391, 0.1115** is the 20% darker color. If you saturate the color by 10%, you get **19.9933, 0.2494, 0.1289**, and if you desaturate by 10%, it is **30.1766, 0.2697, 0.1720**.

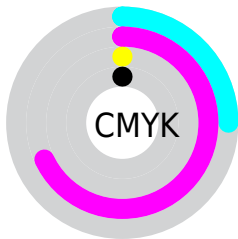
Distribution



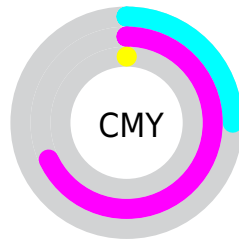
- Red (75%)
- Green (32%)
- Blue (100%)



- Red (75%)
- Yellow (32%)
- Blue (100%)



- Cyan (25%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3310, 0.2596, 0.1484 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 24.3310, 0.2596, 0.1484 by changing the saturation by 10% instead.


 24.3310, 0.2596,
0.1484

 24.3310, 0.2596,
0.1484


274.4897, 0.2912,
0.2299


 15.5793, 0.2508,
0.1314


 50.5698, 0.2719,
0.1756

 9.2270, 0.2392,
0.1116


 68.8257, 0.2763,
0.1865

 4.8895, 0.2237,
0.0886


 91.0186, 0.2799,
0.1961

 2.1826, 0.2022,
0.0626

 117.5326, 0.2830,
0.2045

 0.7105, 0.1720,
0.0345

148.7524, 0.2855,
0.2119

 0.0000, 0.1309,
0.0000

185.0622, 0.2877,

 0.0000, 0.0543,

0.2186

0.0000

226.8465, 0.2896,
0.2245

■ 0.0000, 0.0000,
0.0000

■ 24.3310, 0.2596,
0.1484

■ 24.3310, 0.2596,
0.1484

■ 19.9933, 0.2494,
0.1289

■ 30.1766, 0.2697,
0.1720

■ 16.9920, 0.2396,
0.1143

■ 37.6709, 0.2792,
0.1985


■ 15.1023, 0.2303,
0.1048

■ 46.9410, 0.2881,
0.2266

■ 14.7729, 0.2283,
0.1032

■ 58.1005, 0.2960,
0.2551

■ 71.2533, 0.3029,
0.2829

 86.4956, 0.3087,
0.3094

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.3310, 0.1513, 0.1240



24.3310, 0.2596, 0.1484



24.3310, 0.4273, 0.2029

Triad

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



24.3310, 0.2596, 0.1484



24.3310, 0.5396, 0.4571



24.3310, 0.0989, 0.3039

Complementary

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



24.3310, 0.2596, 0.1484



78.2309, 0.3323, 0.5292

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.



24.3310, 0.1684, 0.5247



24.3310, 0.2596, 0.1484



24.3310, 0.4173, 0.5769

Square

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



24.3310, 0.2596, 0.1484



24.3310, 0.6109, 0.3569



24.3310, 0.2855, 0.6466



24.3310, 0.0813, 0.1779

Rectangle

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



24.3310, 0.2596, 0.1484



24.3310, 0.5381, 0.2513



24.3310, 0.2855, 0.6466



24.3310, 0.1153, 0.3708

Sweetspot

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



24.3318, 0.2596, 0.1484



68.2649, 0.3015, 0.2770



30.2834, 0.1995, 0.1879



13.8025, 0.2996, 0.2692



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.



24.3318, 0.2596, 0.1484



18.9155, 0.2463, 0.1238



33.2757, 0.3399, 0.1910



17.9453, 0.3078, 0.3051



7.8069, 0.2298, 0.1040



0.8223, 0.2401, 0.1096

Inverse Universe

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



29.3608, 0.4535, 0.2693



24.8859, 0.4968, 0.2688



74.2742, 0.2960, 0.5280



18.0981, 0.3236, 0.3202



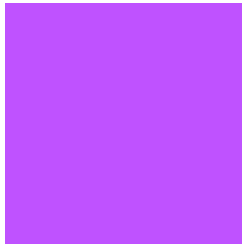
11.5596, 0.5507, 0.2807



1.1457, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 24.3310, 0.2596, 0.1484 looks on a white background.

Color Contrast Check

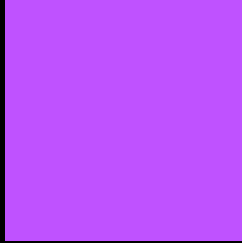
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3310, 0.2596, 0.1484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

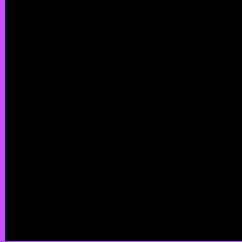
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3310, 0.2596, 0.1484

Background



This preview shows how black text looks on a background with the Yxy color 24.3310, 0.2596, 0.1484.



This preview shows how white text looks on a background with the Yxy color 24.3310, 0.2596, 0.1484.

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

24.3310, 0.2596, 0.1484

Protanopia

24.6108, 0.1883, 0.1631

Deuteranopia

24.7344, 0.1829, 0.1777



Tritanopia

24.2157, 0.3629, 0.3155

Trichromacy



Original Color

24.3310, 0.2596, 0.1484



Protanomaly

22.4098, 0.2031, 0.1492



Deuteranomaly

21.1119, 0.1881, 0.1522



Tritanomaly

23.1150, 0.3195, 0.2348

Monochromacy



Original Color

24.3310, 0.2596, 0.1484



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4444, 0.2910, 0.2360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3310, 0.2596, 0.1484 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(191, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 82, 255)  
}
```

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(191, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 82, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.3310, 0.2596, 0.1484 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(191, 82, 255) }
```

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

```
.border{ border-color:rgb(191, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 82,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3310, 0.2596, 0.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 82, 255) }
```

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

```
.background{ background-color: rgb(191, 82,  
255) }
```

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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