

Converting Colors

$Y_{xy}(27.4308, 0.2702, 0.1603)$

Have a look what the booklet for
Yxy(27.4308, 0.2702, 0.1603)
contains.

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Color

Yxy(27.4308, 0.2702, 0.1603)

Conversions

Conversions Part 1

Format	Color
Hex	CA5CFF
RGB	202, 92, 255
RGB Percent	79%, 36%, 100%
CMY	0.2077, 0.6393, 0.0001
CMYK	0.21, 0.64, 0.00, 0.00
HSL	281°, 100%, 68%
HSV	281°, 64%, 100%
XYZ	46.2371, 27.4308, 97.4538
YIQ	143.4720, 13.2370, 74.0130

Conversions

Conversions Part 2

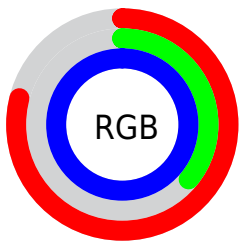
Format	Color
R _{YB}	202, 92, 255
Decimal	13262079
CIE _{Lab}	59.37, 68.36, -62.79
CIE _{LCh}	59, 92.823, 317.432
Yxy	27.4308, 0.2702, 0.1603
Android (android.graphics.Color)	4291452159 (0xFFCA5CFF)
YUV	143.4720, 54.9833, 51.3291
Hunter-Lab	52.3744, 65.9277, -73.6596

Details

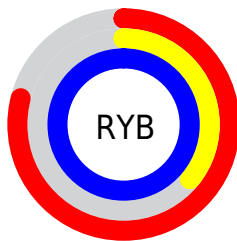
The Yxy color **27.4308, 0.2702, 0.1603** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **78.2994, 0.3284, 0.5210**, and the grayscale version is **27.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **10.8891, 0.2543, 0.1256** is the 20% darker color. If you saturate the color by 10%, you get **22.6083, 0.2613, 0.1399**, and if you desaturate by 10%, it is **33.8032, 0.2789, 0.1844**.

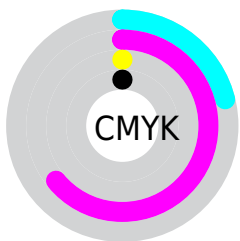
Distribution



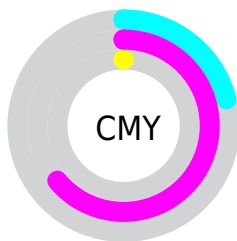
- Red (79%)
- Green (36%)
- Blue (100%)



- Red (79%)
- Yellow (36%)
- Blue (100%)



- Cyan (21%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4308, 0.2702, 0.1603 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 27.4308, 0.2702, 0.1603 by changing the saturation by 10% instead.


 27.4308, 0.2702,
0.1603


 27.4308, 0.2702,
0.1603


289.7370, 0.2958,
0.2364


 17.8970, 0.2630,
0.1442


 55.5744, 0.2802,
0.1858

 10.8761, 0.2534,
0.1253


 74.9530, 0.2838,
0.1961

 5.9836, 0.2405,
0.1029


 98.3820, 0.2867,
0.2050

 2.8351, 0.2223,
0.0770

 126.2458, 0.2892,
0.2128

 1.0463, 0.1960,
0.0481

158.9288, 0.2912,
0.2198

 0.0000, 0.1607,
0.0000

196.8154, 0.2930,


 0.0000, 0.0976,


0.2259


0.0000


240.2900, 0.2945,
0.2315


 0.0000, 0.0000,
0.0000


 27.4308, 0.2702,
0.1603


 27.4308, 0.2702,
0.1603


 22.6083, 0.2613,
0.1399


 33.8032, 0.2789,
0.1844


 19.1756, 0.2524,
0.1242


 41.8578, 0.2870,
0.2109


 16.9421, 0.2438,
0.1135

 51.7158, 0.2943,
0.2386

 16.0052, 0.2388,
0.1089

 63.4864, 0.3008,
0.2665

 77.2699, 0.3064,
0.2936

 93.1594, 0.3111,
0.3194

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



27.4308, 0.1645, 0.1353



27.4308, 0.2702, 0.1603



27.4308, 0.4259, 0.2142

Triad

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



27.4308, 0.2702, 0.1603



27.4308, 0.5251, 0.4610



27.4308, 0.1104, 0.3018

Complementary

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



27.4308, 0.2702, 0.1603



78.2994, 0.3284, 0.5210

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.



27.4308, 0.1771, 0.4969



27.4308, 0.2702, 0.1603



27.4308, 0.4125, 0.5676

Square

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



27.4308, 0.2702, 0.1603



27.4308, 0.5914, 0.3662



27.4308, 0.2891, 0.6180



27.4308, 0.0929, 0.1863

Rectangle

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



27.4308, 0.2702, 0.1603



27.4308, 0.5255, 0.2616



27.4308, 0.2891, 0.6180



27.4308, 0.1263, 0.3611

Sweetspot

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



27.4319, 0.2702, 0.1603



70.0235, 0.3037, 0.2800



30.1512, 0.2029, 0.1865



14.1631, 0.3020, 0.2722



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.



27.4319, 0.2702, 0.1603



21.4146, 0.2585, 0.1346



34.5016, 0.3466, 0.2025



17.9873, 0.3086, 0.3052



8.4483, 0.2402, 0.1097



0.8817, 0.2495, 0.1148

Inverse Universe

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



30.9529, 0.4511, 0.2783



25.7683, 0.4971, 0.2765



75.1220, 0.2933, 0.5064



18.0844, 0.3243, 0.3213



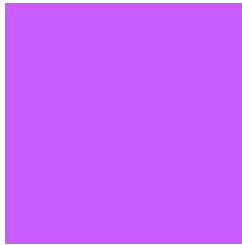
11.4582, 0.5678, 0.2902



1.1347, 0.5359, 0.2726

Previews

White Background



This preview shows how the Yxy color 27.4308, 0.2702, 0.1603 looks on a white background.

Color Contrast Check

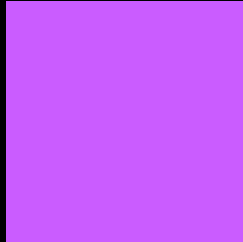
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4308, 0.2702, 0.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

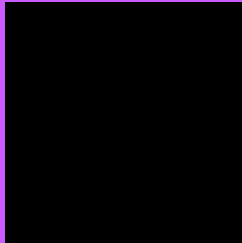
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4308, 0.2702, 0.1603

Background



This preview shows how black text looks on a background with the Yxy color 27.4308, 0.2702, 0.1603.



This preview shows how white text looks on a background with the Yxy color 27.4308, 0.2702, 0.1603.

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

27.4308, 0.2702, 0.1603

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

28.0016, 0.1961, 0.1903



Tritanopia

27.1752, 0.3694, 0.3150

Trichromacy



Original Color

27.4308, 0.2702, 0.1603



Protanomaly

25.8062, 0.2160, 0.1637



Deuteranomaly

25.4061, 0.2110, 0.1695



Tritanomaly

26.4063, 0.3293, 0.2433

Monochromacy



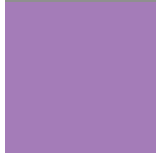
Original Color

27.4308, 0.2702, 0.1603



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.7685, 0.2951, 0.2440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4308, 0.2702, 0.1603 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(202, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 92, 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(202, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 92, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.4308, 0.2702, 0.1603 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(202, 92, 255) }
```

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

```
.border{ border-color:rgb(202, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 92,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4308, 0.2702, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 92, 255) }
```

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

```
.background{ background-color: rgb(202, 92,  
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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