

Converting Colors

$Y_{xy}(26.4127, 0.2703, 0.1558)$

Have a look what the booklet for
Yxy(26.4127, 0.2703, 0.1558)
contains.

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Color

Yxy(26.2736, 0.2698, 0.1553)

Conversions

Conversions Part 1

Format	Color
Hex	CA55FF
RGB	202, 85, 255
RGB Percent	79%, 33%, 100%
CMY	0.2080, 0.6665, 0.0001
CMYK	0.21, 0.67, 0.00, 0.00
HSL	281°, 100%, 67%
HSV	281°, 67%, 100%
XYZ	45.6447, 26.2736, 97.2614
YIQ	139.3630, 15.1620, 77.6740

Conversions

Conversions Part 2

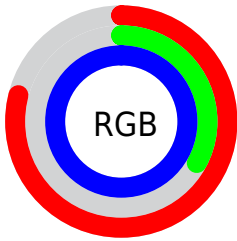
Format	Color
R _Y B	202, 85, 255
Decimal	13260287
CIE Lab	58.30, 71.31, -64.52
CIE LCh	58, 96.165, 317.862
Yxy	26.2736, 0.2698, 0.1553
Android (android.graphics.Color)	4291450367 (0xFFCA55FF)
YUV	139.3630, 57.0090, 54.9326
Hunter-Lab	51.2578, 69.2518, -76.6220

Details

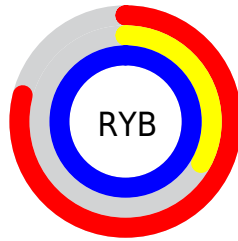
The Yxy color **26.2736, 0.2698, 0.1553** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **77.5781, 0.3269, 0.5295**, and the grayscale version is **25.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **10.2125, 0.2525, 0.1195** is the 20% darker color. If you saturate the color by 10%, you get **21.8734, 0.2612, 0.1364**, and if you desaturate by 10%, it is **32.1789, 0.2782, 0.1782**.

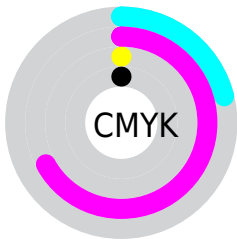
Distribution



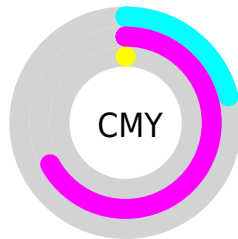
- Red (79%)
- Green (33%)
- Blue (100%)



- Red (79%)
- Yellow (33%)
- Blue (100%)



- Cyan (21%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2736, 0.2698, 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 26.2736, 0.2698, 0.1553 by changing the saturation by 10% instead.


 26.2736, 0.2698,
0.1553


 26.2736, 0.2698,
0.1553


284.1226, 0.2960,
0.2335


 17.0284, 0.2624,
0.1389


 53.7160, 0.2801,
0.1814

 10.2548, 0.2525,
0.1196


 72.6820, 0.2837,
0.1919

 5.5682, 0.2391,
0.0971


 95.6571, 0.2867,
0.2011

 2.5843, 0.2203,
0.0712

 123.0257, 0.2892,
0.2092

 0.9188, 0.1932,
0.0428

155.1721, 0.2913,
0.2163

 0.0000, 0.1562,
0.0000

192.4808, 0.2931,

 0.0000, 0.0914,


0.2227

0.0000


235.3362, 0.2946,
0.2284


 0.0000, 0.0000,
0.0000

 26.2736, 0.2698,
0.1553

 26.2736, 0.2698,
0.1553

 21.8734, 0.2612,
0.1364


 32.1789, 0.2782,
0.1782


 18.8107, 0.2527,
0.1223


 39.7264, 0.2861,
0.2039


 16.8800, 0.2446,
0.1130

 49.0412, 0.2934,
0.2313

 16.3814, 0.2419,
0.1106

 60.2349, 0.2998,
0.2591

 73.4099, 0.3053,
0.2864

 88.6611, 0.3100,
0.3125

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.



26.2736, 0.1602, 0.1294



26.2736, 0.2698, 0.1553



26.2736, 0.4334, 0.2106

Triad

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



26.2736, 0.2698, 0.1553



26.2736, 0.5289, 0.4631



26.2736, 0.1026, 0.2964

Complementary

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



26.2736, 0.2698, 0.1553



77.5781, 0.3269, 0.5295

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.



26.2736, 0.1688, 0.5037



26.2736, 0.2698, 0.1553



26.2736, 0.4099, 0.5763

Square

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



26.2736, 0.2698, 0.1553



26.2736, 0.6009, 0.3645



26.2736, 0.2826, 0.6331



26.2736, 0.0866, 0.1788

Rectangle

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



26.2736, 0.2698, 0.1553



26.2736, 0.5375, 0.2589



26.2736, 0.2826, 0.6331



26.2736, 0.1181, 0.3585

Sweetspot

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



26.2746, 0.2698, 0.1553



68.7713, 0.3036, 0.2774



27.5785, 0.1977, 0.1758



13.9244, 0.3020, 0.2697



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.



26.2746, 0.2698, 0.1553



20.7083, 0.2583, 0.1311



33.1350, 0.3515, 0.2011



17.9994, 0.3088, 0.3052



8.6435, 0.2432, 0.1113



0.8996, 0.2522, 0.1163

Inverse Universe

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



29.5996, 0.4635, 0.2796



24.8576, 0.5120, 0.2797



74.7107, 0.2920, 0.5112



18.0804, 0.3245, 0.3216



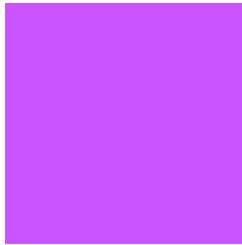
11.4317, 0.5725, 0.2928



1.1318, 0.5405, 0.2751

Previews

White Background



This preview shows how the Yxy color 26.2736, 0.2698, 0.1553 looks on a white background.

Color Contrast Check

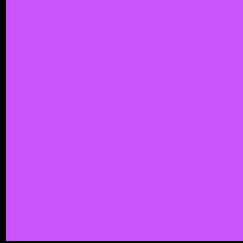
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2736, 0.2698, 0.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

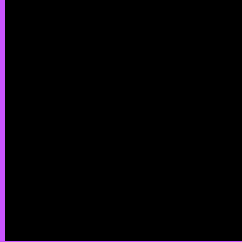
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.2736, 0.2698, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 26.2736, 0.2698, 0.1553.



This preview shows how white text looks on a background with the Yxy color 26.2736, 0.2698, 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



Original Color

26.2736, 0.2698, 0.1553

Protanopia

26.8168, 0.1951, 0.1727

Deuteranopia

26.6899, 0.1921, 0.1859



Tritanopia

25.9267, 0.3746, 0.3149

Trichromacy



Original Color

26.2736, 0.2698, 0.1553



Protanomaly

24.4620, 0.2120, 0.1579



Deuteranomaly

23.6402, 0.2061, 0.1626



Tritanomaly

25.0588, 0.3321, 0.2402

Monochromacy



Original Color

26.2736, 0.2698, 0.1553



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2112, 0.2958, 0.2400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2736, 0.2698, 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(202, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 85, 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, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 85, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.2736, 0.2698, 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(202, 85, 255) }
```

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

```
.border{ border-color:rgb(202, 85, 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, 85, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 85,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2736, 0.2698, 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(202, 85, 255) }
```

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

```
.background{ background-color: rgb(202, 85,  
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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