

Converting Colors

$Y_{xy}(19.9719, 0.2678, 0.1258)$

Have a look what the booklet for
Yxy(19.9719, 0.2678, 0.1258)
contains.

Yxy(19.9719, 0.2678, 0.1258)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9719, 0.2678, 0.1258)

Conversions

Conversions Part 1

Format	Color
Hex	CA09FF
RGB	202, 9, 255
RGB Percent	79%, 4%, 100%
CMY	0.2078, 0.9657, 0.0000
CMYK	0.21, 0.97, 0.00, 0.00
HSL	287°, 100%, 52%
HSV	287°, 97%, 100%
XYZ	42.5157, 19.9719, 96.2715
YIQ	94.7510, 36.0620, 117.4220

Conversions

Conversions Part 2

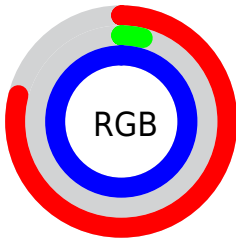
Format	Color
R_{YB}	202, 9, 255
Decimal	13240831
CIE _{Lab}	51.81, 90.13, -75.05
CIE _{LCh}	52, 117.284, 320.214
Yxy	19.9719, 0.2678, 0.1258
Android (android.graphics.Color)	4291430911 (0xFFCA09FF)
YUV	94.7510, 79.0028, 94.0574
Hunter-Lab	44.6899, 91.6083, -96.4402

Details

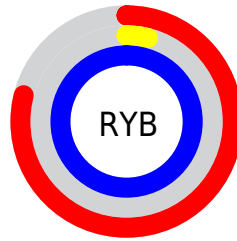
The Yxy color **19.9719, 0.2678, 0.1258** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.5541, 0.3081, 0.5918**, and the grayscale version is **11.1458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **9.6939, 0.2497, 0.1149** is the 20% darker color. If you saturate the color by 10%, you get **19.5187, 0.2659, 0.1239**, and if you desaturate by 10%, it is **21.7158, 0.2736, 0.1335**.

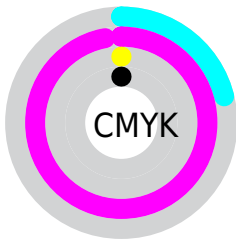
Distribution



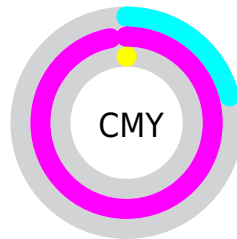
- Red (79%)
- Green (4%)
- Blue (100%)



- Red (79%)
- Yellow (4%)
- Blue (100%)



- Cyan (21%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (97%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9719, 0.2678, 0.1258 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 19.9719, 0.2678, 0.1258 by changing the saturation by 10% instead.


 19.9719, 0.2678,
0.1258


 19.9719, 0.2678,
0.1258

251.7630, 0.2974,
0.2154


 12.3746, 0.2590,
0.1079


 43.3701, 0.2798,
0.1551

 6.9993, 0.2472,
0.0876


 59.9397, 0.2840,
0.1671


 3.4617, 0.2311,
0.0649


 80.2690, 0.2873,
0.1776

 1.3773, 0.2086,
0.0408

 104.7423, 0.2901,
0.1870

 0.1999, 0.1782,
0.0101

 133.7439, 0.2924,
0.1953

 0.0000, 0.1325,
0.0000

 167.6583, 0.2944,

 0.0000, 0.0548,

0.2027

0.0000

206.8698, 0.2960,
0.2094

■ 0.0000, 0.0000,
0.0000

■ 19.9719, 0.2678,
0.1258

■ 19.9719, 0.2678,
0.1258

■ 19.5187, 0.2659,
0.1239

■ 21.7158, 0.2736,
0.1335

■ 24.5687, 0.2794,
0.1458

■ 28.7330, 0.2852,
0.1627

■ 34.3723, 0.2908,
0.1836

■ 41.6263, 0.2960,
0.2076

■ 50.6182, 0.3007,
0.2336

■ 61.4591, 0.3048,
0.2603

■ 74.2508, 0.3082,
0.2870

■ 89.0877, 0.3111,
0.3128

Harmonies

Analogous

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



19.9719, 0.1353, 0.0964



19.9719, 0.2678, 0.1258



19.9719, 0.4847, 0.1877

Triad

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



19.9719, 0.2678, 0.1258



19.9719, 0.5367, 0.4633



19.9719, 0.0592, 0.2571

Complementary

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



19.9719, 0.2678, 0.1258



72.5541, 0.3081, 0.5918

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.



19.9719, 0.1147, 0.5460



19.9719, 0.2678, 0.1258



19.9719, 0.3779, 0.6221

Square

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



19.9719, 0.2678, 0.1258



19.9719, 0.6536, 0.3464



19.9719, 0.2305, 0.7329



19.9719, 0.0525, 0.1345

Rectangle

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



19.9719, 0.2678, 0.1258



19.9719, 0.6165, 0.2390



19.9719, 0.2305, 0.7329



19.9719, 0.0704, 0.3345

Sweetspot

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



19.9689, 0.2678, 0.1258



58.6546, 0.3038, 0.2538



10.7316, 0.1575, 0.0850



11.5573, 0.3021, 0.2424



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.



19.9689, 0.2678, 0.1258



19.5187, 0.2659, 0.1239



24.9619, 0.4065, 0.2025



18.0916, 0.3103, 0.3053



10.2666, 0.2668, 0.1244



1.0463, 0.2733, 0.1279

Inverse Universe

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



21.7943, 0.5986, 0.3092



21.5345, 0.6076, 0.3121



72.1338, 0.2896, 0.5607



18.0510, 0.3260, 0.3239



11.2699, 0.6039, 0.3100



1.1126, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 19.9719, 0.2678, 0.1258 looks on a white background.

Color Contrast Check

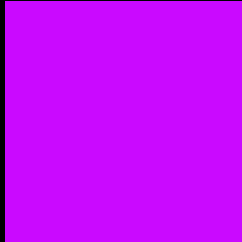
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9719, 0.2678, 0.1258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

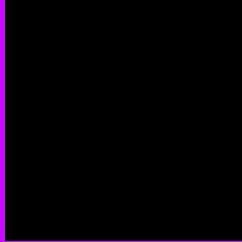
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9719, 0.2678, 0.1258

Background



This preview shows how black text looks on a background with the Yxy color 19.9719, 0.2678, 0.1258.



This preview shows how white text looks on a background with the Yxy color 19.9719, 0.2678, 0.1258.

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

19.9719, 0.2678, 0.1258

Protanopia

20.5248, 0.1739, 0.1460

Deuteranopia

20.3992, 0.1838, 0.1817



Tritanopia

19.9996, 0.4193, 0.3192

Trichromacy



Original Color

19.9719, 0.2678, 0.1258



Protanomaly

14.3095, 0.1766, 0.1075



Deuteranomaly

13.6403, 0.1827, 0.1208



Tritanomaly

17.4063, 0.3573, 0.2113

Monochromacy



Original Color

19.9719, 0.2678, 0.1258



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.0350, 0.2912, 0.1845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9719, 0.2678, 0.1258 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, 9, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 9, 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, 9, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 9, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.9719, 0.2678, 0.1258 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, 9, 255) }
```

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

```
.border{ border-color:rgb(202, 9, 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, 9, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 9, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 9, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 9,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9719, 0.2678, 0.1258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 9, 255) }
```

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

```
.background{ background-color: rgb(202, 9,  
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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