

Converting Colors

$Y_{xy}(19.7411, 0.2690, 0.1291)$

Have a look what the booklet for
Yxy(19.7411, 0.2690, 0.1291)
contains.

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Color

Yxy(19.7395, 0.2690, 0.1290)

Conversions

Conversions Part 1

Format	Color
Hex	C719FA
RGB	199, 25, 250
RGB Percent	78%, 10%, 98%
CMY	0.2196, 0.9022, 0.0194
CMYK	0.20, 0.90, 0.00, 0.02
HSL	286°, 96%, 54%
HSV	286°, 90%, 98%
XYZ	41.1622, 19.7395, 92.1177
YIQ	102.6760, 31.4790, 106.8630

Conversions

Conversions Part 2

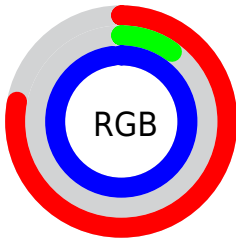
Format	Color
R _{YB}	199, 25, 250
Decimal	13048314
CIE _{Lab}	51.54, 87.16, -72.71
CIE _{LCh}	52, 113.506, 320.166
Yxy	19.7395, 0.2690, 0.1290
Android (android.graphics.Color)	4291238394 (0xFFC719FA)
YUV	102.6760, 72.6307, 84.4761
Hunter-Lab	44.4292, 87.6236, -91.8291

Details

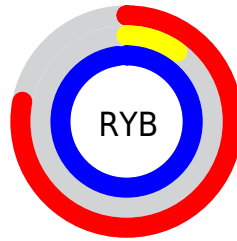
The Yxy color **19.7395, 0.2690, 0.1290** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **70.0028, 0.3117, 0.5843**, and the grayscale version is **13.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **9.2947, 0.2518, 0.1161** is the 20% darker color. If you saturate the color by 10%, you get **18.2888, 0.2631, 0.1223**, and if you desaturate by 10%, it is **22.1138, 0.2751, 0.1399**.

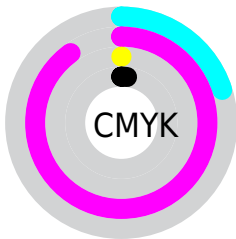
Distribution



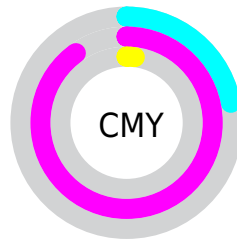
- Red (78%)
- Green (10%)
- Blue (98%)



- Red (78%)
- Yellow (10%)
- Blue (98%)



- Cyan (20%)
- Magenta (90%)
- Yellow (0%)
- Black (2%)





- Cyan (22%)
- Magenta (90%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7395, 0.2690, 0.1290 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 19.7395, 0.2690, 0.1290 by changing the saturation by 10% instead.


 19.7395, 0.2690,
0.1290

 19.7395, 0.2690,
0.1290


250.5014, 0.2979,
0.2182


 12.2058, 0.2603,
0.1110


 42.9800, 0.2808,
0.1584


 6.8840, 0.2487,
0.0903

 59.4556, 0.2848,
0.1703

 3.3897, 0.2326,
0.0672


 79.6807, 0.2881,
0.1808

 1.3384, 0.2099,
0.0423

 104.0396, 0.2908,
0.1901

 0.1706, 0.1792,
0.0093

 132.9167, 0.2931,
0.1983

 0.0000, 0.1320,
0.0000


166.6964, 0.2949,


 0.0000, 0.0407,


0.2056


0.0000


205.7632, 0.2965,
0.2122

 0.0000, 0.0000,
0.0000

 19.7395, 0.2690,
0.1290


 19.7395, 0.2690,
0.1290


 18.2888, 0.2631,
0.1223

 22.1138, 0.2751,
0.1399

 25.6814, 0.2813,
0.1555

 30.6098, 0.2873,
0.1754

 37.0390, 0.2930,
0.1987

 45.0912, 0.2982,
0.2243

■ 54.8759, 0.3027,
0.2510

■ 66.4931, 0.3067,
0.2778

■ 80.0349, 0.3100,
0.3040

■ 95.5875, 0.3127,
0.3289

Harmonies

Analogous

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



19.7395, 0.1383, 0.0997



19.7395, 0.2690, 0.1290



19.7395, 0.4802, 0.1905

Triad

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



19.7395, 0.2690, 0.1290



19.7395, 0.5356, 0.4644



19.7395, 0.0631, 0.2605

Complementary

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



19.7395, 0.2690, 0.1290



70.0028, 0.3117, 0.5843

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.



19.7395, 0.1198, 0.5398



19.7395, 0.2690, 0.1290



19.7395, 0.3813, 0.6187

Square

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



19.7395, 0.2690, 0.1290



19.7395, 0.6484, 0.3495



19.7395, 0.2361, 0.7222



19.7395, 0.0556, 0.1385

Rectangle

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



19.7395, 0.2690, 0.1290



19.7395, 0.6088, 0.2418



19.7395, 0.2361, 0.7222



19.7395, 0.0748, 0.3361

Sweetspot

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



19.7403, 0.2690, 0.1290



60.8198, 0.3040, 0.2591



12.4829, 0.1632, 0.1001



12.1824, 0.3026, 0.2498



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.



19.7403, 0.2690, 0.1290



19.1156, 0.2630, 0.1222



24.7426, 0.3935, 0.1984



17.3145, 0.3101, 0.3054



9.7647, 0.2640, 0.1228



0.9512, 0.2711, 0.1267

Inverse Universe

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



21.5457, 0.5750, 0.3015



21.5636, 0.6044, 0.3103



69.2587, 0.2886, 0.5517



17.2897, 0.3258, 0.3236



10.9533, 0.6004, 0.3081



1.0298, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 19.7395, 0.2690, 0.1290 looks on a white background.

Color Contrast Check

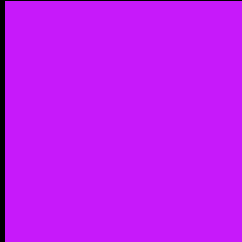
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7395, 0.2690, 0.1290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

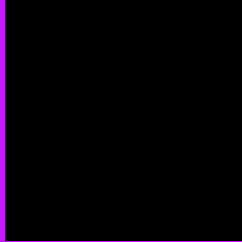
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7395, 0.2690, 0.1290

Background



This preview shows how black text looks on a background with the Yxy color 19.7395, 0.2690, 0.1290.



This preview shows how white text looks on a background with the Yxy color 19.7395, 0.2690, 0.1290.

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

19.7395, 0.2690, 0.1290

Protanopia

20.1587, 0.1739, 0.1460

Deuteranopia

20.0890, 0.1836, 0.1810



Tritanopia

19.6409, 0.4154, 0.3190

Trichromacy



Original Color

19.7395, 0.2690, 0.1290



Protanomaly

14.8398, 0.1780, 0.1132



Deuteranomaly

14.2920, 0.1842, 0.1273



Tritanomaly

17.7074, 0.3554, 0.2178

Monochromacy



Original Color

19.7395, 0.2690, 0.1290



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.8357, 0.2933, 0.1982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7395, 0.2690, 0.1290 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(199, 25, 250)` looks like.

```
.text, #text, p{  
    color:rgb(199, 25, 250)  
}
```

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(199, 25, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 25, 250) }
```

Border

The CSS property to change the border of an element to Yxy 19.7395, 0.2690, 0.1290 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(199, 25, 250) }
```

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

```
.border{ border-color:rgb(199, 25, 250) }
```

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

Here you see how a box with a 4 pixel rgb(199, 25, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 25, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 25, 250);  
box-shadow:4px 4px 4px 4px rgb(199, 25,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7395, 0.2690, 0.1290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 25, 250) }
```

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

```
.background{ background-color: rgb(199, 25,  
250) }
```

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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