

Converting Colors

$Y_{xy}(19.2705, 0.2682, 0.1268)$

Have a look what the booklet for
Yxy(19.2705, 0.2682, 0.1268)
contains.

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Color

Yxy(19.2495, 0.2679, 0.1267)

Conversions

Conversions Part 1

Format	Color
Hex	C60FFA
RGB	198, 15, 250
RGB Percent	78%, 6%, 98%
CMY	0.2237, 0.9400, 0.0198
CMYK	0.21, 0.94, 0.00, 0.02
HSL	287°, 96%, 52%
HSV	287°, 94%, 98%
XYZ	40.7020, 19.2495, 91.9783
YIQ	96.5070, 33.6330, 111.8810

Conversions

Conversions Part 2

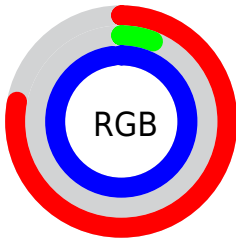
Format	Color
R _Y B	198, 15, 250
Decimal	12980218
CIE Lab	50.98, 88.18, -73.58
CIE LCh	51, 114.846, 320.155
Yxy	19.2495, 0.2679, 0.1267
Android (android.graphics.Color)	4291170298 (0xFFC60FFA)
YUV	96.5070, 75.6720, 89.0094
Hunter-Lab	43.8743, 88.8138, -93.5840

Details

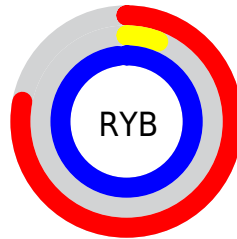
The Yxy color **19.2495, 0.2679, 0.1267** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **69.5840, 0.3097, 0.5890**, and the grayscale version is **11.6728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **9.2090, 0.2506, 0.1154** is the 20% darker color. If you saturate the color by 10%, you get **18.4453, 0.2644, 0.1230**, and if you desaturate by 10%, it is **21.2035, 0.2738, 0.1357**.

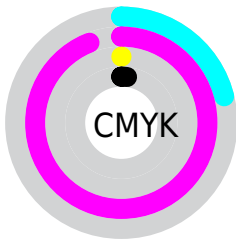
Distribution



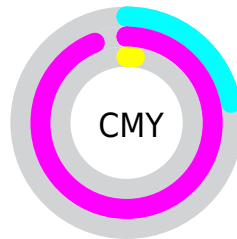
- Red (78%)
- Green (6%)
- Blue (98%)



- Red (78%)
- Yellow (6%)
- Blue (98%)



- Cyan (21%)
- Magenta (94%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (94%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2495, 0.2679, 0.1267 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 19.2495, 0.2679, 0.1267 by changing the saturation by 10% instead.


 19.2495, 0.2679,
0.1267


 19.2495, 0.2679,
0.1267


247.8227, 0.2976,
0.2168


 11.8507, 0.2590,
0.1086


 42.1553, 0.2800,
0.1563

 6.6421, 0.2470,
0.0879


 58.4310, 0.2842,
0.1684


 3.2393, 0.2306,
0.0647


 78.4346, 0.2875,
0.1790

 1.2579, 0.2074,
0.0401

 102.5503, 0.2903,
0.1883

 0.1083, 0.1764,
0.0060

 131.1625, 0.2926,
0.1967

 0.0000, 0.1283,
0.0000

 164.6558, 0.2945,

 0.0000, 0.0335,

0.2041

0.0000

203.4144, 0.2962,
0.2108

■ 0.0000, 0.0000,
0.0000

■ 19.2495, 0.2679,
0.1267

■ 19.2495, 0.2679,
0.1267

■ 18.4453, 0.2644,
0.1230

■ 21.2035, 0.2738,
0.1357

■ 24.2735, 0.2799,
0.1494

■ 28.6418, 0.2858,
0.1677

■ 34.4569, 0.2915,
0.1897

■ 41.8470, 0.2967,
0.2144

■ 50.9260, 0.3014,
0.2407

■ 61.7971, 0.3055,
0.2676

■ 74.5553, 0.3089,
0.2940

■ 89.2888, 0.3118,
0.3195

Harmonies

Analogous

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



19.2495, 0.1361, 0.0974



19.2495, 0.2679, 0.1267



19.2495, 0.4830, 0.1884

Triad

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



19.2495, 0.2679, 0.1267



19.2495, 0.5366, 0.4634



19.2495, 0.0604, 0.2584

Complementary

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



19.2495, 0.2679, 0.1267



69.5840, 0.3097, 0.5890

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.



19.2495, 0.1164, 0.5446



19.2495, 0.2679, 0.1267



19.2495, 0.3792, 0.6208

Square

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



19.2495, 0.2679, 0.1267



19.2495, 0.6526, 0.3474



19.2495, 0.2324, 0.7297



19.2495, 0.0534, 0.1358

Rectangle

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



19.2495, 0.2679, 0.1267



19.2495, 0.6139, 0.2397



19.2495, 0.2324, 0.7297



19.2495, 0.0718, 0.3354

Sweetspot

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



19.2502, 0.2679, 0.1267



59.7172, 0.3039, 0.2564



11.3894, 0.1602, 0.0929



11.7536, 0.3021, 0.2448



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.



19.2502, 0.2679, 0.1267



19.2940, 0.2643, 0.1230



24.2703, 0.3976, 0.1986



17.3192, 0.3102, 0.3054



9.8541, 0.2653, 0.1235



0.9587, 0.2723, 0.1273

Inverse Universe

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



21.0748, 0.5888, 0.3056



21.5504, 0.6058, 0.3111



68.9975, 0.2898, 0.5593



17.2882, 0.3259, 0.3238



10.9463, 0.6019, 0.3089



1.0290, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 19.2495, 0.2679, 0.1267 looks on a white background.

Color Contrast Check

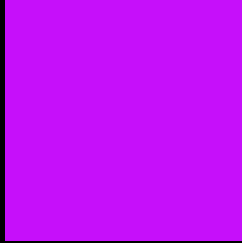
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2495, 0.2679, 0.1267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

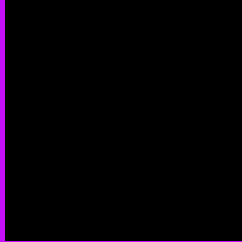
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2495, 0.2679, 0.1267

Background



This preview shows how black text looks on a background with the Yxy color 19.2495, 0.2679, 0.1267.



This preview shows how white text looks on a background with the Yxy color 19.2495, 0.2679, 0.1267.

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

19.2495, 0.2679, 0.1267

Protanopia

19.7342, 0.1741, 0.1467

Deuteranopia

19.7292, 0.1837, 0.1813



Tritanopia

19.3114, 0.4162, 0.3190

Trichromacy



Original Color

19.2495, 0.2679, 0.1267



Protanomaly

14.1021, 0.1775, 0.1102



Deuteranomaly

13.5879, 0.1833, 0.1233



Tritanomaly

17.0392, 0.3561, 0.2144

Monochromacy



Original Color

19.2495, 0.2679, 0.1267



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.3825, 0.2913, 0.1885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2495, 0.2679, 0.1267 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(198, 15, 250)` looks like.

```
.text, #text, p{  
    color:rgb(198, 15, 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(198, 15, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 15, 250) }
```

Border

The CSS property to change the border of an element to Yxy 19.2495, 0.2679, 0.1267 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(198, 15, 250) }
```

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

```
.border{ border-color:rgb(198, 15, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 15, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 15, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 15, 250);  
box-shadow:4px 4px 4px 4px rgb(198, 15,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2495, 0.2679, 0.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 15, 250) }
```

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

```
.background{ background-color: rgb(198, 15,  
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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