

Converting Colors

$Yxy(19.2711, 0.2641, 0.1229)$

Have a look what the booklet for
Yxy(19.2711, 0.2641, 0.1229)
contains.

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Color

Yxy(19.2258, 0.2638, 0.1227)

Conversions

Conversions Part 1

Format	Color
Hex	C600FF
RGB	198, 0, 255
RGB Percent	78%, 0%, 100%
CMY	0.2236, 0.9995, 0.0000
CMYK	0.22, 1.00, 0.00, 0.00
HSL	287°, 100%, 50%
HSV	287°, 100%, 100%
XYZ	41.3347, 19.2258, 96.1290
YIQ	88.2720, 36.1530, 121.2810

Conversions

Conversions Part 2

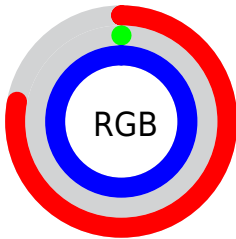
Format	Color
RYB	198, 0, 255
Decimal	12976383
CIELab	50.95, 90.24, -76.43
CIELCh	51, 118.257, 319.735
Yxy	19.2258, 0.2638, 0.1227
Android (android.graphics.Color)	4291166463 (0xFFC600FF)
YUV	88.2720, 82.1969, 96.2315
Hunter-Lab	43.8472, 91.5389, -99.2921

Details

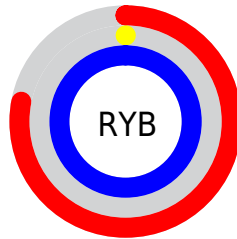
The Yxy color **19.2258, 0.2638, 0.1227** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.3857, 0.3074, 0.5941**, and the grayscale version is **9.6494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.3496, 0.2448, 0.1122** is the 20% darker color. If you saturate the color by 10%, you get **19.2198, 0.2638, 0.1227**, and if you desaturate by 10%, it is **20.7357, 0.2697, 0.1294**.

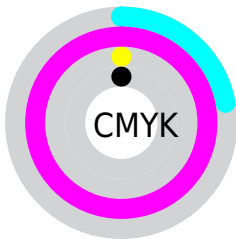
Distribution



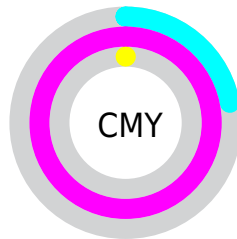
- Red (78%)
- Green (0%)
- Blue (100%)



- Red (78%)
- Yellow (0%)
- Blue (100%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2258, 0.2638, 0.1227 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 19.2258, 0.2638, 0.1227 by changing the saturation by 10% instead.


 19.2258, 0.2638,
0.1227


 19.2258, 0.2638,
0.1227


247.6925, 0.2957,
0.2137


 11.8335, 0.2544,
0.1047


 42.1153, 0.2766,
0.1524


 6.6304, 0.2419,
0.0842


 58.3813, 0.2811,
0.1645

 3.2321, 0.2250,
0.0616


 78.3741, 0.2848,
0.1752

 1.2541, 0.2014,
0.0378

 102.4780, 0.2878,
0.1847

 0.1052, 0.1701,
0.0054

 131.0773, 0.2902,
0.1932

 0.0000, 0.1231,
0.0000

 164.5566, 0.2923,

 0.0000, 0.0389,

0.2007

0.0000

203.3002, 0.2941,
0.2075

■ 0.0000, 0.0000,
0.0000

■ 19.2258, 0.2638,
0.1227

■ 19.2258, 0.2638,
0.1227

■ 19.2198, 0.2638,
0.1227

■ 20.7357, 0.2697,
0.1294

■ 23.2111, 0.2758,
0.1402

■ 26.9367, 0.2818,
0.1558

■ 32.0873, 0.2878,
0.1757

■ 38.8097, 0.2934,
0.1989

■ 47.2319, 0.2984,
0.2244

■ 57.4688, 0.3029,
0.2511

■ 69.6253, 0.3068,
0.2780

■ 83.7979, 0.3101,
0.3042

Harmonies

Analogous

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



19.2258, 0.1316, 0.0939



19.2258, 0.2638, 0.1227



19.2258, 0.4839, 0.1843

Triad

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



19.2258, 0.2638, 0.1227



19.2258, 0.5401, 0.4599



19.2258, 0.0569, 0.2581

Complementary

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



19.2258, 0.2638, 0.1227



72.3857, 0.3074, 0.5941

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.



19.2258, 0.1124, 0.5566



19.2258, 0.2638, 0.1227



19.2258, 0.3781, 0.6219

Square

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



19.2258, 0.2638, 0.1227



19.2258, 0.6579, 0.3421



19.2258, 0.2286, 0.7407



19.2258, 0.0501, 0.1327

Rectangle

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



19.2258, 0.2638, 0.1227



19.2258, 0.6195, 0.2356



19.2258, 0.2286, 0.7407



19.2258, 0.0680, 0.3379

Sweetspot

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



19.2265, 0.2638, 0.1227



57.4185, 0.3029, 0.2510



10.4096, 0.1564, 0.0829



11.3180, 0.3011, 0.2397



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.



19.2265, 0.2638, 0.1227



19.2219, 0.2638, 0.1227



24.8493, 0.4041, 0.2000



18.0835, 0.3102, 0.3053



10.1133, 0.2647, 0.1232



1.0326, 0.2714, 0.1269

Inverse Universe

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



21.5571, 0.6051, 0.3107



21.5557, 0.6053, 0.3108



71.9312, 0.2917, 0.5701



18.0536, 0.3259, 0.3237



11.2816, 0.6015, 0.3087



1.1140, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 19.2258, 0.2638, 0.1227 looks on a white background.

Color Contrast Check

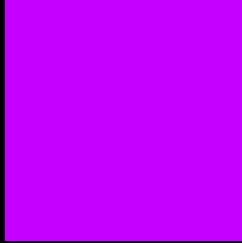
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2258, 0.2638, 0.1227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

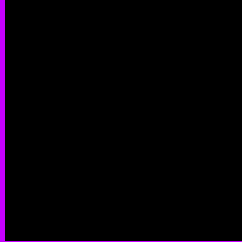
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2258, 0.2638, 0.1227

Background



This preview shows how black text looks on a background with the Yxy color 19.2258, 0.2638, 0.1227.



This preview shows how white text looks on a background with the Yxy color 19.2258, 0.2638, 0.1227.

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

19.2258, 0.2638, 0.1227

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.7292, 0.1837, 0.1813



Tritanopia

19.4060, 0.4127, 0.3189

Trichromacy



Original Color

19.2258, 0.2638, 0.1227



Protanomaly

13.3749, 0.1757, 0.1040



Deuteranomaly

12.8846, 0.1817, 0.1173



Tritanomaly

16.4303, 0.3510, 0.2057

Monochromacy



Original Color

19.2258, 0.2638, 0.1227



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.5875, 0.2873, 0.1750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2258, 0.2638, 0.1227 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 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(198, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.2258, 0.2638, 0.1227 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, 0, 255) }
```

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

```
.border{ border-color:rgb(198, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2258, 0.2638, 0.1227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 255) }
```

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

```
.background{ background-color: rgb(198, 0,  
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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