

Converting Colors

$Y_{xy}(19.0965, 0.2629, 0.1222)$

Have a look what the booklet for
Yxy(19.0965, 0.2629, 0.1222)
contains.

Yxy(19.0903, 0.2628, 0.1221)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(19.0903, 0.2628, 0.1221)

Conversions

Conversions Part 1

Format	Color
Hex	C500FF
RGB	197, 0, 255
RGB Percent	77%, 0%, 100%
CMY	0.2273, 1.0000, 0.0000
CMYK	0.23, 1.00, 0.00, 0.00
HSL	286°, 100%, 50%
HSV	286°, 100%, 100%
XYZ	41.0887, 19.0903, 96.1707
YIQ	87.9730, 35.5570, 121.0690

Conversions

Conversions Part 2

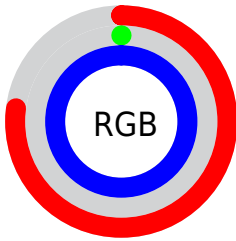
Format	Color
RYB	197, 0, 255
Decimal	12910847
CIELab	50.79, 90.16, -76.73
CIELCh	51, 118.395, 319.601
Yxy	19.0903, 0.2628, 0.1221
Android (android.graphics.Color)	4291100927 (0xFFC500FF)
YUV	87.9730, 82.3443, 95.6167
Hunter-Lab	43.6924, 91.4010, -99.9175

Details

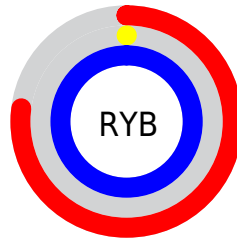
The Yxy color **19.0903, 0.2628, 0.1221** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.4185, 0.3076, 0.5940**, and the grayscale version is **9.5671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.2655, 0.2436, 0.1116** is the 20% darker color. If you saturate the color by 10%, you get **19.0949, 0.2628, 0.1222**, and if you desaturate by 10%, it is **20.6096, 0.2688, 0.1289**.

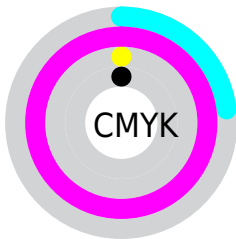
Distribution



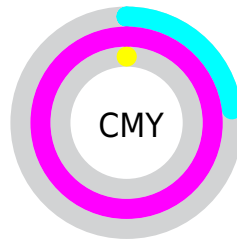
- Red (77%)
- Green (0%)
- Blue (100%)



- Red (77%)
- Yellow (0%)
- Blue (100%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0903, 0.2628, 0.1221 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 19.0903, 0.2628, 0.1221 by changing the saturation by 10% instead.

 19.0903, 0.2628,
0.1221


 19.0903, 0.2628,
0.1221


246.9468, 0.2952,
0.2133


 11.7355, 0.2533,
0.1040


 41.8866, 0.2758,
0.1518

 6.5639, 0.2406,
0.0836


 58.0970, 0.2804,
0.1640


 3.1909, 0.2235,
0.0609


 78.0280, 0.2841,
0.1748

 1.2322, 0.1996,
0.0372

 102.0641, 0.2871,
0.1843

 0.0878, 0.1682,
0.0045

 130.5896, 0.2897,
0.1928

 0.0000, 0.1210,
0.0000

 163.9890, 0.2918,

 0.0000, 0.0353,

0.2003


0.0000

202.6466, 0.2936,
0.2072


 0.0000, 0.0000,
0.0000


 19.0903, 0.2628,
0.1221

 19.0903, 0.2628,
0.1221

 19.0949, 0.2628,
0.1222

 20.6096, 0.2688,
0.1289

 23.0887, 0.2750,
0.1398

 26.8181, 0.2812,
0.1554

 31.9728, 0.2872,
0.1753

 38.6997, 0.2929,
0.1986

■ 47.1271, 0.2981,
0.2242

■ 57.3699, 0.3027,
0.2510

■ 69.5329, 0.3067,
0.2778

■ 83.7129, 0.3100,
0.3040

Harmonies

Analogous

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



19.0903, 0.1308, 0.0934



19.0903, 0.2628, 0.1221



19.0903, 0.4834, 0.1836

Triad

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



19.0903, 0.2628, 0.1221



19.0903, 0.5409, 0.4591



19.0903, 0.0565, 0.2586

Complementary

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



19.0903, 0.2628, 0.1221



72.4185, 0.3076, 0.5940

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.



19.0903, 0.1122, 0.5590



19.0903, 0.2628, 0.1221



19.0903, 0.3784, 0.6216

Square

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



19.0903, 0.2628, 0.1221



19.0903, 0.6588, 0.3412



19.0903, 0.2285, 0.7420



19.0903, 0.0497, 0.1325

Rectangle

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



19.0903, 0.2628, 0.1221



19.0903, 0.6197, 0.2348



19.0903, 0.2285, 0.7420



19.0903, 0.0677, 0.3390

Sweetspot

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



19.0949, 0.2628, 0.1222



57.3699, 0.3027, 0.2510



10.3996, 0.1563, 0.0828



11.3063, 0.3008, 0.2396



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.



19.0949, 0.2628, 0.1222



24.8479, 0.4042, 0.2000



18.0800, 0.3101, 0.3053



10.0476, 0.2638, 0.1227



1.0267, 0.2706, 0.1264

Inverse Universe

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



21.5651, 0.6042, 0.3102



71.9374, 0.2917, 0.5702



18.0547, 0.3258, 0.3236



11.2867, 0.6004, 0.3081



1.1147, 0.5696, 0.2911

Previews

White Background



This preview shows how the Yxy color 19.0903, 0.2628, 0.1221 looks on a white background.

Color Contrast Check

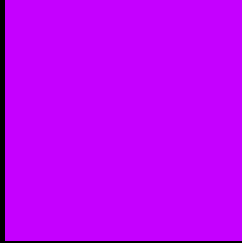
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0903, 0.2628, 0.1221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

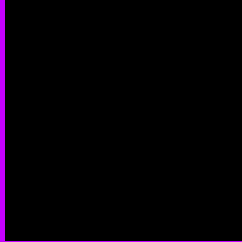
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0903, 0.2628, 0.1221

Background



This preview shows how black text looks on a background with the Yxy color 19.0903, 0.2628, 0.1221.



This preview shows how white text looks on a background with the Yxy color 19.0903, 0.2628, 0.1221.

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

19.0903, 0.2628, 0.1221

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.6770, 0.1840, 0.1823



Tritanopia

19.2898, 0.4114, 0.3188

Trichromacy



Original Color

19.0903, 0.2628, 0.1221



Protanomaly

13.3749, 0.1757, 0.1040



Deuteranomaly

12.8846, 0.1817, 0.1173



Tritanomaly

16.3073, 0.3496, 0.2051

Monochromacy



Original Color

19.0903, 0.2628, 0.1221



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 19.0903, 0.2628, 0.1221 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(197, 0, 255)` looks like.

```
.text, #text, p{  
  color:rgb(197, 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(197, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.0903, 0.2628, 0.1221 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(197, 0, 255) }
```

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

```
.border{ border-color:rgb(197, 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(197, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 19.0903, 0.2628, 0.1221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 255) }
```

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

```
.background{ background-color: rgb(197, 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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