

Converting Colors

$Y_{xy}(18.6979, 0.2992, 0.1422)$

Have a look what the booklet for
Yxy(18.6979, 0.2992, 0.1422)
contains.

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Color

Yxy(18.7564, 0.2996, 0.1424)

Conversions

Conversions Part 1

Format	Color
Hex	CF00E2
RGB	207, 0, 226
RGB Percent	81%, 0%, 89%
CMY	0.1882, 1.0000, 0.1137
CMYK	0.08, 1.00, 0.00, 0.11
HSL	295°, 100%, 44%
HSV	295°, 100%, 89%
XYZ	39.4622, 18.7564, 73.4977
YIQ	87.6570, 50.8260, 114.1700

Conversions

Conversions Part 2

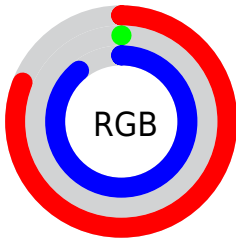
Format	Color
R_{YB}	207, 0, 226
Decimal	13566178
CIE _{Lab}	50.40, 86.80, -60.96
CIE _{LCh}	50, 106.064, 324.919
Yxy	18.7564, 0.2996, 0.1424
Android (android.graphics.Color)	4291756258 (0xFFCF00E2)
YUV	87.6570, 68.2031, 104.6638
Hunter-Lab	43.3087, 86.8564, -70.3030

Details

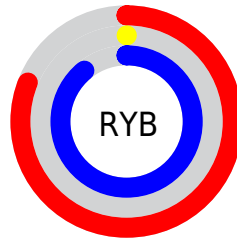
The Yxy color **18.7564, 0.2996, 0.1424** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **54.5357, 0.3016, 0.5988**, and the grayscale version is **9.5226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.1053, 0.2872, 0.1356** is the 20% darker color. If you saturate the color by 10%, you get **18.7583, 0.2996, 0.1424**, and if you desaturate by 10%, it is **19.6307, 0.3017, 0.1470**.

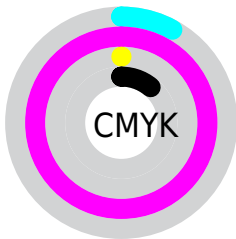
Distribution



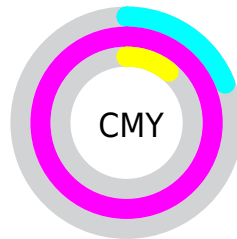
- Red (81%)
- Green (0%)
- Blue (89%)



- Red (81%)
- Yellow (0%)
- Blue (89%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)




- Cyan (19%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7564, 0.2996, 0.1424 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 18.7564, 0.2996, 0.1424 by changing the saturation by 10% instead.


 18.7564, 0.2996,
0.1424


 18.7564, 0.2996,
0.1424


245.1006, 0.3125,
0.2286


 11.4944, 0.2946,
0.1240


 41.3221, 0.3057,
0.1716


 6.4004, 0.2872,
0.1025


 57.3945, 0.3076,
0.1832


 3.0900, 0.2760,
0.0775


 77.1726, 0.3090,
0.1933

 1.1789, 0.2585,
0.0496

 101.0406, 0.3101,
0.2021

 0.0444, 0.2341,
0.0035

 129.3830, 0.3109,
0.2100

 0.0000, 0.1831,
0.0000

 162.5843, 0.3116,

 0.0000, 0.0247,

0.2169

0.0000

201.0287, 0.3121,
0.2231

■ 0.0000, 0.0000,
0.0000

■ 18.7564, 0.2996,
0.1424

■ 18.7564, 0.2996,
0.1424

■ 18.7583, 0.2996,
0.1424

■ 19.6307, 0.3017,
0.1470

■ 21.2045, 0.3038,
0.1553

■ 23.7046, 0.3057,
0.1680

■ 27.2600, 0.3075,
0.1849

■ 31.9793, 0.3090,
0.2054

■ 37.9573, 0.3102,
0.2286

■ 45.2793, 0.3112,
0.2535

■ 54.0232, 0.3119,
0.2790

■ 64.2607, 0.3124,
0.3044

Harmonies

Analogous

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



18.7564, 0.1587, 0.1081



18.7564, 0.2996, 0.1424



18.7564, 0.5062, 0.2075

Triad

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



18.7564, 0.2996, 0.1424



18.7564, 0.5115, 0.4885



18.7564, 0.0662, 0.2378

Complementary

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



18.7564, 0.2996, 0.1424



54.5357, 0.3016, 0.5988

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.



18.7564, 0.1147, 0.4806



18.7564, 0.2996, 0.1424



18.7564, 0.3635, 0.6365

Square

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



18.7564, 0.2996, 0.1424



18.7564, 0.6290, 0.3708



18.7564, 0.2244, 0.6980



18.7564, 0.0628, 0.1355

Rectangle

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



18.7564, 0.2996, 0.1424



18.7564, 0.6165, 0.2590



18.7564, 0.2244, 0.6980



18.7564, 0.0757, 0.3012

Sweetspot

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



18.7583, 0.2996, 0.1424



59.3208, 0.3112, 0.2530



6.0885, 0.1516, 0.0658



11.7782, 0.3108, 0.2423



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.



18.7583, 0.2996, 0.1424



24.6388, 0.2995, 0.1423



17.9365, 0.4562, 0.2287



13.8740, 0.3125, 0.3058



10.7263, 0.3000, 0.1426



0.7610, 0.3034, 0.1445

Inverse Universe

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



16.2171, 0.6324, 0.3257



21.3158, 0.6331, 0.3261



55.1423, 0.2819, 0.5350



13.7191, 0.3279, 0.3271



9.2582, 0.6304, 0.3246



0.6483, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 18.7564, 0.2996, 0.1424 looks on a white background.

Color Contrast Check

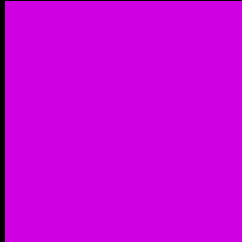
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7564, 0.2996, 0.1424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

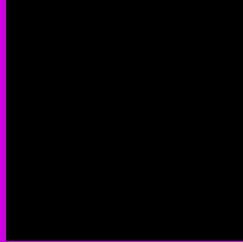
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7564, 0.2996, 0.1424

Background



This preview shows how black text looks on a background with the Yxy color 18.7564, 0.2996, 0.1424.



This preview shows how white text looks on a background with the Yxy color 18.7564, 0.2996, 0.1424.

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

18.7564, 0.2996, 0.1424

Protanopia

19.4999, 0.1737, 0.1454

Deuteranopia

19.5279, 0.1915, 0.1853



Tritanopia

19.0473, 0.4578, 0.3215

Trichromacy



Original Color

18.7564, 0.2996, 0.1424



Protanomaly

12.6847, 0.1793, 0.1079



Deuteranomaly

13.4538, 0.2060, 0.1314



Tritanomaly

16.7797, 0.3985, 0.2271

Monochromacy



Original Color

18.7564, 0.2996, 0.1424



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.4886, 0.3077, 0.1901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7564, 0.2996, 0.1424 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(207, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 226)  
}
```

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(207, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 226) }
```

Border

The CSS property to change the border of an element to Yxy 18.7564, 0.2996, 0.1424 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(207, 0, 226) }
```

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

```
.border{ border-color:rgb(207, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7564, 0.2996, 0.1424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 226) }
```

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

```
.background{ background-color: rgb(207, 0,  
226) }
```

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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