

Converting Colors

$Y_{xy}(15.9694, 0.2575, 0.1192)$

Have a look what the booklet for
Yxy(15.9694, 0.2575, 0.1192)
contains.

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Color

Yxy(15.9946, 0.2574, 0.1191)

Conversions

Conversions Part 1

Format	Color
Hex	B400F0
RGB	180, 0, 240
RGB Percent	71%, 0%, 94%
CMY	0.2938, 1.0000, 0.0587
CMYK	0.25, 1.00, 0.00, 0.06
HSL	285°, 100%, 47%
HSV	285°, 100%, 94%
XYZ	34.5677, 15.9946, 83.7333
YIQ	81.1800, 30.2400, 112.8000

Conversions

Conversions Part 2

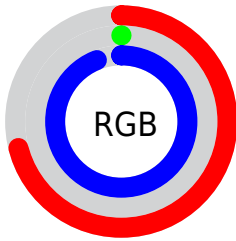
Format	Color
R_{YB}	180, 0, 240
Decimal	11796720
CIE _{Lab}	46.97, 85.49, -74.67
CIE _{LCh}	47, 113.508, 318.864
Yxy	15.9946, 0.2574, 0.1191
Android (android.graphics.Color)	4289986800 (0xFFB400F0)
YUV	81.1800, 78.2983, 86.6651
Hunter-Lab	39.9932, 84.2961, -96.1393

Details

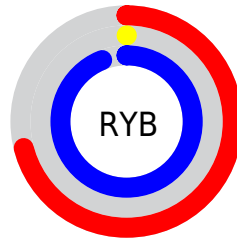
The Yxy color **15.9946, 0.2574, 0.1191** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **63.3025, 0.3093, 0.5926**, and the grayscale version is **8.1097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4029, 0.3065, 0.1763**, and **7.4120, 0.2359, 0.1073** is the 20% darker color. If you saturate the color by 10%, you get **16.0059, 0.2574, 0.1192**, and if you desaturate by 10%, it is **17.3951, 0.2639, 0.1264**.

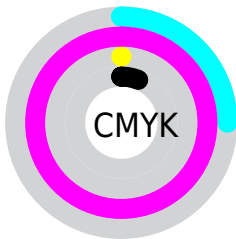
Distribution



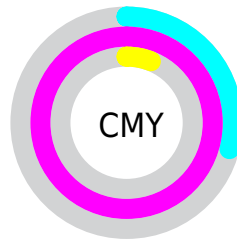
- Red (71%)
- Green (0%)
- Blue (94%)



- Red (71%)
- Yellow (0%)
- Blue (94%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (29%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9946, 0.2574, 0.1191 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 15.9946, 0.2574, 0.1191 by changing the saturation by 10% instead.


 15.9946, 0.2574,
0.1191


 15.9946, 0.2574,
0.1191


229.3099, 0.2934,
0.2141


 9.5203, 0.2466,
0.0999


 36.5888, 0.2720,
0.1504


 5.0821, 0.2322,
0.0782


 51.4776, 0.2771,
0.1632


 2.2955, 0.2123,
0.0544


 69.9399, 0.2812,
0.1744

 0.7713, 0.1847,
0.0298

 92.3603, 0.2845,
0.1843

 0.0000, 0.1474,
0.0000

 119.1231, 0.2873,
0.1930

 0.0000, 0.0938,
0.0000

 150.6127, 0.2897,

 0.0000, 0.0000,

0.2008

0.0000

187.2135, 0.2917,
0.2078

■ 15.9946, 0.2574,
0.1191

■ 15.9946, 0.2574,
0.1191

■ 16.0059, 0.2574,
0.1192

■ 17.3951, 0.2639,
0.1264

■ 19.6235, 0.2707,
0.1378

■ 22.9443, 0.2775,
0.1540

■ 27.5081, 0.2842,
0.1744

■ 33.4412, 0.2905,
0.1981

■ 40.8542, 0.2963,
0.2240

■ 49.8463, 0.3014,
0.2509

■ 60.5080, 0.3059,
0.2779

■ 72.9228, 0.3096,
0.3041

Harmonies

Analogous

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



15.9946, 0.1268, 0.0912



15.9946, 0.2574, 0.1191



15.9946, 0.4798, 0.1800

Triad

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



15.9946, 0.2574, 0.1191



15.9946, 0.5454, 0.4546



15.9946, 0.0549, 0.2619

Complementary

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



15.9946, 0.2574, 0.1191



63.3025, 0.3093, 0.5926

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.



15.9946, 0.1115, 0.5720



15.9946, 0.2574, 0.1191



15.9946, 0.3807, 0.6193

Square

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



15.9946, 0.2574, 0.1191



15.9946, 0.6634, 0.3366



15.9946, 0.2292, 0.7501



15.9946, 0.0478, 0.1319

Rectangle

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



15.9946, 0.2574, 0.1191



15.9946, 0.6202, 0.2312



15.9946, 0.2292, 0.7501



15.9946, 0.0663, 0.3452

Sweetspot

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



16.0059, 0.2574, 0.1192



57.0741, 0.3014, 0.2506



9.5263, 0.1573, 0.0864



11.2351, 0.2993, 0.2392



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.



16.0059, 0.2574, 0.1192



18.3352, 0.2572, 0.1191



21.8285, 0.3978, 0.1965



15.8210, 0.3098, 0.3054



8.8247, 0.2584, 0.1197



0.7806, 0.2670, 0.1245

Inverse Universe

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



18.8579, 0.5969, 0.3062



21.6268, 0.5976, 0.3066



62.6693, 0.2925, 0.5731



15.8236, 0.3254, 0.3231



10.3372, 0.5930, 0.3040



0.8754, 0.5561, 0.2837

Previews

White Background



This preview shows how the Yxy color 15.9946, 0.2574, 0.1191 looks on a white background.

Color Contrast Check

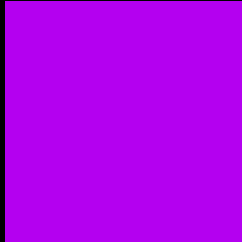
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.9946, 0.2574, 0.1191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

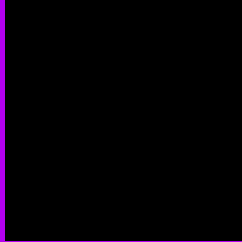
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9946, 0.2574, 0.1191

Background



This preview shows how black text looks on a background with the Yxy color 15.9946, 0.2574, 0.1191.



This preview shows how white text looks on a background with the Yxy color 15.9946, 0.2574, 0.1191.

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

15.9946, 0.2574, 0.1191

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.6609, 0.1846, 0.1845



Tritanopia

16.2141, 0.4008, 0.3177

Trichromacy



Original Color

15.9946, 0.2574, 0.1191



Protanomaly

11.3206, 0.1750, 0.1034



Deuteranomaly

10.9277, 0.1810, 0.1171



Tritanomaly

13.6057, 0.3397, 0.2009

Monochromacy



Original Color

15.9946, 0.2574, 0.1191



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1020, 0.2837, 0.1738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9946, 0.2574, 0.1191 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(180, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 240)  
}
```

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(180, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 240) }
```

Border

The CSS property to change the border of an element to Yxy 15.9946, 0.2574, 0.1191 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(180, 0, 240) }
```

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

```
.border{ border-color:rgb(180, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9946, 0.2574, 0.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 240) }
```

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

```
.background{ background-color: rgb(180, 0,  
240) }
```

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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