

Converting Colors

$Y_{xy}(18.5649, 0.2547, 0.1206)$

Have a look what the booklet for
Yxy(18.5649, 0.2547, 0.1206)
contains.

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Color

Yxy(18.4852, 0.2543, 0.1203)

Conversions

Conversions Part 1

Format	Color
Hex	BC16FF
RGB	188, 22, 255
RGB Percent	74%, 9%, 100%
CMY	0.2627, 0.9137, 0.0001
CMYK	0.26, 0.91, 0.00, 0.00
HSL	283°, 100%, 54%
HSV	283°, 91%, 100%
XYZ	39.0755, 18.4852, 96.0985
YIQ	98.1960, 24.1430, 107.6550

Conversions

Conversions Part 2

Format	Color
R_{YB}	188, 22, 255
Decimal	12326655
CIE _{Lab}	50.08, 86.96, -77.91
CIE _{LCh}	50, 116.759, 318.140
Yxy	18.4852, 0.2543, 0.1203
Android (android.graphics.Color)	4290516735 (0xFFBC16FF)
YUV	98.1960, 77.3044, 78.7581
Hunter-Lab	42.9944, 86.9897, -102.4252

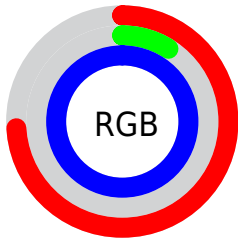
Details

The Yxy color **18.4852, 0.2543, 0.1203** is a light color, and the websafe version is hex **CC00FF**.

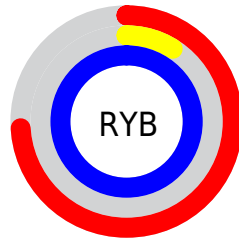
The color can be described as light washed purple. A complement of this color would be **73.6868, 0.3161, 0.5822**, and the grayscale version is **12.0660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4677, 0.3147, 0.1853**, and **8.5432, 0.2329, 0.1057** is the 20% darker color. If you saturate the color by 10%, you get **17.1263, 0.2479, 0.1139**, and if you desaturate by 10%, it is **20.9398, 0.2620, 0.1317**.

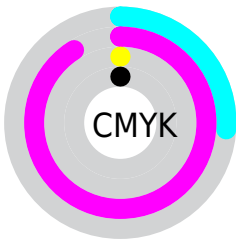
Distribution



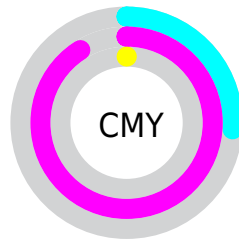
- Red (74%)
- Green (9%)
- Blue (100%)



- Red (74%)
- Yellow (9%)
- Blue (100%)



- Cyan (26%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4852, 0.2543, 0.1203 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 18.4852, 0.2543, 0.1203 by changing the saturation by 10% instead.


 18.4852, 0.2543,
0.1203


 18.4852, 0.2543,
0.1203


243.5918, 0.2910,
0.2126


 11.2989, 0.2438,
0.1020


 40.8624, 0.2689,
0.1504


 6.2682, 0.2300,
0.0814


 56.8220, 0.2740,
0.1627


 3.0089, 0.2113,
0.0587


 76.4749, 0.2782,
0.1736

 1.1364, 0.1859,
0.0351

 100.2055, 0.2817,
0.1833

 0.0088, 0.1531,
0.0005

 128.3980, 0.2846,
0.1918

 0.0000, 0.1049,
0.0000

 161.4370, 0.2871,

 0.0000, 0.0054,

0.1995

0.0000

199.7068, 0.2892,
0.2064

■ 0.0000, 0.0000,
0.0000

■ 18.4852, 0.2543,
0.1203

■ 18.4852, 0.2543,
0.1203

■ 17.1263, 0.2479,
0.1139

■ 20.9398, 0.2620,
0.1317

■ 24.6339, 0.2700,
0.1479

■ 29.7487, 0.2778,
0.1685

■ 36.4344, 0.2853,
0.1926

■ 44.8218, 0.2922,
0.2189

■ 55.0278, 0.2984,
0.2463

■ 67.1586, 0.3038,
0.2738

■ 81.3124, 0.3084,
0.3004

■ 97.5804, 0.3122,
0.3257

Harmonies

Analogous

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



18.4852, 0.1269, 0.0931



18.4852, 0.2543, 0.1203



18.4852, 0.4714, 0.1803

Triad

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



18.4852, 0.2543, 0.1203



18.4852, 0.5478, 0.4522



18.4852, 0.0582, 0.2692

Complementary

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



18.4852, 0.2543, 0.1203



73.6868, 0.3161, 0.5822

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.



18.4852, 0.1173, 0.5748



18.4852, 0.2543, 0.1203



18.4852, 0.3869, 0.6131

Square

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



18.4852, 0.2543, 0.1203



18.4852, 0.6625, 0.3375



18.4852, 0.2359, 0.7405



18.4852, 0.0497, 0.1364

Rectangle

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



18.4852, 0.2543, 0.1203



18.4852, 0.6111, 0.2314



18.4852, 0.2359, 0.7405



18.4852, 0.0704, 0.3528

Sweetspot

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



18.4859, 0.2543, 0.1203



60.0991, 0.3008, 0.2584



15.0252, 0.1662, 0.1125



12.0108, 0.2989, 0.2490



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.



18.4859, 0.2543, 0.1203



17.1294, 0.2479, 0.1139



26.4029, 0.3740, 0.1865



18.0227, 0.3092, 0.3052



9.0303, 0.2491, 0.1146



0.9349, 0.2575, 0.1192

Inverse Universe

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



22.5506, 0.5598, 0.2914



21.7449, 0.5855, 0.2999



72.1021, 0.2930, 0.5688



18.0729, 0.3249, 0.3222



11.3844, 0.5813, 0.2976



1.1264, 0.5493, 0.2799

Previews

White Background



This preview shows how the Yxy color 18.4852, 0.2543, 0.1203 looks on a white background.

Color Contrast Check

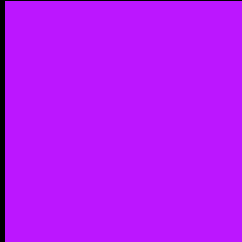
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4852, 0.2543, 0.1203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

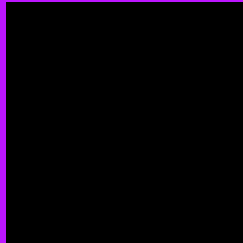
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4852, 0.2543, 0.1203

Background



This preview shows how black text looks on a background with the Yxy color 18.4852, 0.2543, 0.1203.



This preview shows how white text looks on a background with the Yxy color 18.4852, 0.2543, 0.1203.

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

18.4852, 0.2543, 0.1203

Protanopia

18.9618, 0.1743, 0.1474

Deuteranopia

18.6725, 0.1840, 0.1823



Tritanopia

18.4108, 0.3943, 0.3166

Trichromacy



Original Color

18.4852, 0.2543, 0.1203



Protanomaly

13.9789, 0.1765, 0.1112



Deuteranomaly

13.4860, 0.1823, 0.1247



Tritanomaly

16.1276, 0.3337, 0.2064

Monochromacy



Original Color

18.4852, 0.2543, 0.1203



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.5722, 0.2846, 0.1886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4852, 0.2543, 0.1203 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(188, 22, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 22, 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(188, 22, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 22, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.4852, 0.2543, 0.1203 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(188, 22, 255) }
```

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

```
.border{ border-color:rgb(188, 22, 255) }
```

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

Here you see how a box with a 4 pixel rgb(188, 22, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 22, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 22, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 22,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4852, 0.2543, 0.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 22, 255) }
```

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

```
.background{ background-color: rgb(188, 22,  
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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