

Converting Colors

$Y_{xy}(18.4971, 0.2511, 0.1208)$

Have a look what the booklet for
Yxy(18.4971, 0.2511, 0.1208)
contains.

Yxy(18.4434, 0.2507, 0.1206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.4434, 0.2507, 0.1206)

Conversions

Conversions Part 1

Format	Color
Hex	B820FF
RGB	184, 32, 255
RGB Percent	72%, 13%, 100%
CMY	0.2783, 0.8748, 0.0000
CMYK	0.28, 0.87, 0.00, 0.00
HSL	281°, 100%, 56%
HSV	281°, 87%, 100%
XYZ	38.3396, 18.4434, 96.1473
YIQ	102.8700, 19.0090, 101.5770

Conversions

Conversions Part 2

Format	Color
RYB	184, 32, 255
Decimal	12067071
CIELab	50.03, 84.83, -78.03
CIElCh	50, 115.259, 317.389
Yxy	18.4434, 0.2507, 0.1206
Android (android.graphics.Color)	4290257151 (0xFFB820FF)
YUV	102.8700, 75.0001, 71.1510
Hunter-Lab	42.9458, 84.1999, -102.6768

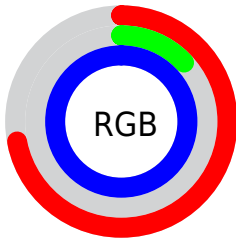
Details

The Yxy color **18.4434, 0.2507, 0.1206** is a light color, and the websafe version is hex **CC00FF**.

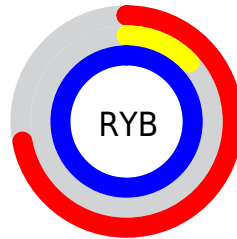
The color can be described as light washed purple. A complement of this color would be **74.5010, 0.3209, 0.5746**, and the grayscale version is **13.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1352, 0.3101, 0.1853**, and **8.2422, 0.2282, 0.1031** is the 20% darker color. If you saturate the color by 10%, you get **16.5808, 0.2425, 0.1117**, and if you desaturate by 10%, it is **21.4146, 0.2593, 0.1344**.

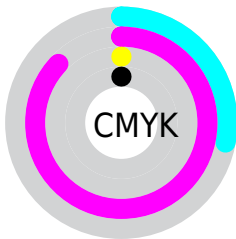
Distribution



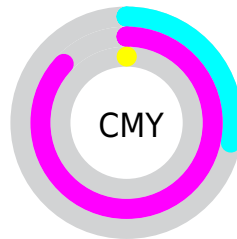
- Red (72%)
- Green (13%)
- Blue (100%)



- Red (72%)
- Yellow (13%)
- Blue (100%)



- Cyan (28%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (87%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4434, 0.2507, 0.1206 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 18.4434, 0.2507, 0.1206 by changing the saturation by 10% instead.


 18.4434, 0.2507,
0.1206


 18.4434, 0.2507,
0.1206


243.3585, 0.2891,
0.2130


 11.2688, 0.2398,
0.1023


 40.7914, 0.2658,
0.1508


 6.2479, 0.2256,
0.0816


 56.7336, 0.2712,
0.1631


 2.9964, 0.2065,
0.0588


 76.3672, 0.2756,
0.1740

 1.1299, 0.1805,
0.0351

 100.0764, 0.2793,
0.1836

 0.0033, 0.1472,
0.0002

 128.2458, 0.2823,
0.1922

 0.0000, 0.0991,
0.0000

 161.2597, 0.2849,

 0.0000, 0.0000,

0.1999

0.0000

199.5025, 0.2872,
0.2068

■ 18.4434, 0.2507,
0.1206

■ 18.4434, 0.2507,
0.1206

■ 16.5808, 0.2425,
0.1117

■ 21.4146, 0.2593,
0.1344

■ 16.2048, 0.2405,
0.1098

■ 25.7108, 0.2681,
0.1531

■ 31.4996, 0.2767,
0.1758

■ 38.9232, 0.2849,
0.2015

■ 48.1065, 0.2923,
0.2289

■ 59.1625, 0.2989,
0.2567

■ 72.1941, 0.3047,
0.2841

■ 87.2968, 0.3096,
0.3104

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



18.4434, 0.1261, 0.0942



18.4434, 0.2507, 0.1206



18.4434, 0.4640, 0.1797

Triad

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



18.4434, 0.2507, 0.1206



18.4434, 0.5507, 0.4493



18.4434, 0.0605, 0.2758

Complementary

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



18.4434, 0.2507, 0.1206



74.5010, 0.3209, 0.5746

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.



18.4434, 0.1219, 0.5797



18.4434, 0.2507, 0.1206



18.4434, 0.3923, 0.6077

Square

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



18.4434, 0.2507, 0.1206



18.4434, 0.6617, 0.3365



18.4434, 0.2417, 0.7353



18.4434, 0.0508, 0.1399

Rectangle

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



18.4434, 0.2507, 0.1206



18.4434, 0.6039, 0.2308



18.4434, 0.2417, 0.7353



18.4434, 0.0734, 0.3603

Sweetspot

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



18.4440, 0.2507, 0.1206



60.9632, 0.2999, 0.2608



17.8929, 0.1720, 0.1292



12.1606, 0.2977, 0.2512



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.



18.4440, 0.2507, 0.1206



16.2048, 0.2405, 0.1098



27.3418, 0.3617, 0.1819



17.9937, 0.3087, 0.3052



8.5509, 0.2418, 0.1105



0.8911, 0.2509, 0.1156

Inverse Universe

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



23.2662, 0.5362, 0.2823



21.8559, 0.5746, 0.2939



72.2569, 0.2940, 0.5676



18.0823, 0.3244, 0.3215



11.4440, 0.5703, 0.2916



1.1331, 0.5384, 0.2739

Previews

White Background



This preview shows how the Yxy color 18.4434, 0.2507, 0.1206 looks on a white background.

Color Contrast Check

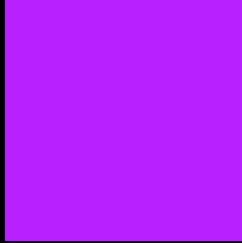
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4434, 0.2507, 0.1206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

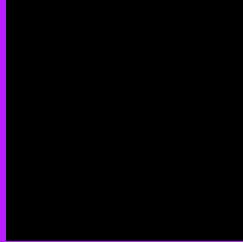
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4434, 0.2507, 0.1206

Background



This preview shows how black text looks on a background with the Yxy color 18.4434, 0.2507, 0.1206.



This preview shows how white text looks on a background with the Yxy color 18.4434, 0.2507, 0.1206.

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

18.4434, 0.2507, 0.1206

Protanopia

18.7325, 0.1739, 0.1460

Deuteranopia

18.6222, 0.1843, 0.1833



Tritanopia

18.3218, 0.3834, 0.3162

Trichromacy



Original Color

18.4434, 0.2507, 0.1206



Protanomaly

14.4057, 0.1769, 0.1140



Deuteranomaly

13.8841, 0.1830, 0.1286



Tritanomaly

16.3871, 0.3266, 0.2088

Monochromacy



Original Color

18.4434, 0.2507, 0.1206



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.6819, 0.2828, 0.1956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4434, 0.2507, 0.1206 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(184, 32, 255)` looks like.

```
.text, #text, p{  
  color:rgb(184, 32, 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(184, 32, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 32, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.4434, 0.2507, 0.1206 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(184, 32, 255) }
```

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

```
.border{ border-color:rgb(184, 32, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 32, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 32, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 32, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 32,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4434, 0.2507, 0.1206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 32, 255) }
```

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

```
.background{ background-color: rgb(184, 32,  
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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