

Converting Colors

$Y_{xy}(19.0046, 0.2483, 0.1277)$

Have a look what the booklet for
Yxy(19.0046, 0.2483, 0.1277)
contains.

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Color

Yxy(18.9505, 0.2477, 0.1274)

Conversions

Conversions Part 1

Format	Color
Hex	B136FB
RGB	177, 54, 251
RGB Percent	69%, 21%, 98%
CMY	0.3062, 0.7877, 0.0158
CMYK	0.30, 0.78, 0.00, 0.02
HSL	277°, 96%, 60%
HSV	277°, 78%, 98%
XYZ	36.8449, 18.9505, 92.9526
YIQ	113.2350, 10.0710, 87.3430

Conversions

Conversions Part 2

Format	Color
R _Y B	177, 54, 251
Decimal	11613947
CIE Lab	50.63, 77.38, -74.85
CIE LCh	51, 107.655, 315.951
Yxy	18.9505, 0.2477, 0.1274
Android (android.graphics.Color)	4289804027 (0xFFB136FB)
YUV	113.2350, 67.9181, 55.9219
Hunter-Lab	43.5322, 74.8981, -96.1272

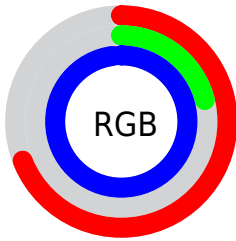
Details

The Yxy color **18.9505, 0.2477, 0.1274** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **73.8421, 0.3306, 0.5537**, and the grayscale version is **16.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6586, 0.3035, 0.1923**, and **7.6322, 0.2243, 0.1009** is the 20% darker color. If you saturate the color by 10%, you get **16.1112, 0.2377, 0.1130**, and if you desaturate by 10%, it is **23.0720, 0.2580, 0.1468**.

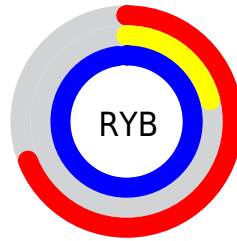
Distribution



Red (69%)

Green (21%)

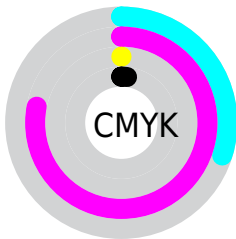
Blue (98%)



Red (69%)

Yellow (21%)

Blue (98%)

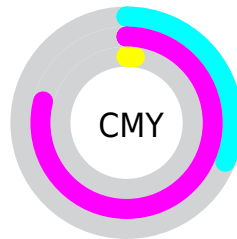


Cyan (30%)

Magenta (78%)

Yellow (0%)

Black (2%)



Cyan (31%)


Magenta (79%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9505, 0.2477, 0.1274 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 18.9505, 0.2477, 0.1274 by changing the saturation by 10% instead.


 18.9505, 0.2477,
0.1274


 18.9505, 0.2477,
0.1274

246.1754, 0.2871,
0.2181


 11.6345, 0.2367,
0.1090


 41.6504, 0.2631,
0.1573


 6.4953, 0.2222,
0.0880


 57.8032, 0.2686,
0.1695


 3.1485, 0.2028,
0.0645


 77.6703, 0.2732,
0.1802

 1.2098, 0.1765,
0.0396

 101.6362, 0.2769,
0.1896

 0.0697, 0.1424,
0.0039

 130.0853, 0.2801,
0.1980

 0.0000, 0.0938,
0.0000

163.4019, 0.2828,

 0.0000, 0.0000,

0.2054

0.0000

201.9704, 0.2851,
0.2121

■ 18.9505, 0.2477,
0.1274

■ 18.9505, 0.2477,
0.1274

■ 16.1112, 0.2377,
0.1130

■ 23.0720, 0.2580,
0.1468

■ 14.3215, 0.2283,
0.1036

■ 28.6378, 0.2683,
0.1703

■ 14.0867, 0.2269,
0.1024

■ 35.7877, 0.2781,
0.1968

■ 44.6437, 0.2871,
0.2249

■ 55.3159, 0.2952,
0.2534

67.9048, 0.3023,
0.2813

82.5033, 0.3083,
0.3079

99.1984, 0.3135,
0.3328

99.7428, 0.3150,
0.3328

Harmonies

Analogous

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



18.9505, 0.1307, 0.1025



18.9505, 0.2477, 0.1274



18.9505, 0.4444, 0.1844

Triad

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



18.9505, 0.2477, 0.1274



18.9505, 0.5524, 0.4476



18.9505, 0.0728, 0.2929

Complementary

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



18.9505, 0.2477, 0.1274



73.8421, 0.3306, 0.5537

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.



18.9505, 0.1402, 0.5724



18.9505, 0.2477, 0.1274



18.9505, 0.4069, 0.5931

Square

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



18.9505, 0.2477, 0.1274



18.9505, 0.6475, 0.3401



18.9505, 0.2616, 0.7060



18.9505, 0.0592, 0.1541

Rectangle

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



18.9505, 0.2477, 0.1274



18.9505, 0.5772, 0.2347



18.9505, 0.2616, 0.7060



18.9505, 0.0877, 0.3742

Sweetspot

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



18.9512, 0.2477, 0.1274



62.8668, 0.2984, 0.2659



23.6052, 0.1855, 0.1630



12.4966, 0.2958, 0.2558



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.



18.9512, 0.2477, 0.1274



15.5516, 0.2323, 0.1072



28.7545, 0.3446, 0.1798



17.1794, 0.3077, 0.3052



7.4929, 0.2284, 0.1032



0.7546, 0.2393, 0.1092

Inverse Universe

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



24.7161, 0.4860, 0.2669



22.6397, 0.5353, 0.2755



70.2970, 0.2958, 0.5566



17.3332, 0.3235, 0.3201



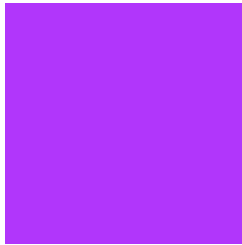
11.2352, 0.5478, 0.2791



1.0604, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 18.9505, 0.2477, 0.1274 looks on a white background.

Color Contrast Check

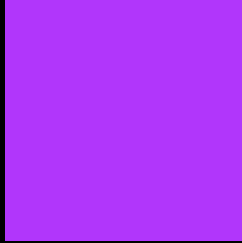
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9505, 0.2477, 0.1274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

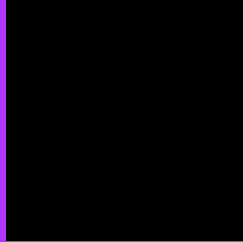
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9505, 0.2477, 0.1274

Background



This preview shows how black text looks on a background with the Yxy color 18.9505, 0.2477, 0.1274.



This preview shows how white text looks on a background with the Yxy color 18.9505, 0.2477, 0.1274.

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

18.9505, 0.2477, 0.1274

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

19.0210, 0.1839, 0.1820



Tritanopia

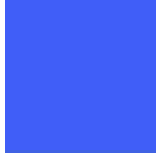
18.8561, 0.3658, 0.3158

Trichromacy



Original Color

18.9505, 0.2477, 0.1274



Protanomaly

15.8727, 0.1780, 0.1225



Deuteranomaly

15.3714, 0.1845, 0.1394



Tritanomaly

17.3774, 0.3140, 0.2167

Monochromacy



Original Color

18.9505, 0.2477, 0.1274



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5329, 0.2833, 0.2137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9505, 0.2477, 0.1274 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(177, 54, 251)` looks like.

```
.text, #text, p{  
    color:rgb(177, 54, 251)  
}
```

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(177, 54, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 54, 251) }
```

Border

The CSS property to change the border of an element to Yxy 18.9505, 0.2477, 0.1274 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(177, 54, 251) }
```

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

```
.border{ border-color:rgb(177, 54, 251) }
```

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

Here you see how a box with a 4 pixel rgb(177, 54, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 54, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 54, 251);  
box-shadow:4px 4px 4px 4px rgb(177, 54,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9505, 0.2477, 0.1274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 54, 251) }
```

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

```
.background{ background-color: rgb(177, 54,  
251) }
```

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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