

Converting Colors

$Y_{xy}(18.5277, 0.2460, 0.1253)$

Have a look what the booklet for
Yxy(18.5277, 0.2460, 0.1253)
contains.

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Color

Yxy(18.4466, 0.2457, 0.1249)

Conversions

Conversions Part 1

Format	Color
Hex	AF33FB
RGB	175, 51, 251
RGB Percent	69%, 20%, 98%
CMY	0.3136, 0.8003, 0.0155
CMYK	0.30, 0.80, 0.00, 0.02
HSL	277°, 96%, 59%
HSV	277°, 80%, 98%
XYZ	36.2877, 18.4466, 92.9567
YIQ	110.8760, 9.7040, 88.4880

Conversions

Conversions Part 2

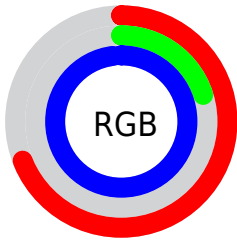
Format	Color
R_{YB}	175, 51, 251
Decimal	11482107
CIE _{Lab}	50.03, 78.10, -75.88
CIE _{LCh}	50, 108.890, 315.825
Yxy	18.4466, 0.2457, 0.1249
Android (android.graphics.Color)	4289672187 (0xFFAF33FB)
YUV	110.8760, 69.0811, 56.2367
Hunter-Lab	42.9495, 75.6515, -98.2582

Details

The Yxy color **18.4466, 0.2457, 0.1249** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **73.7716, 0.3305, 0.5560**, and the grayscale version is **15.6439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6412, 0.3017, 0.1892**, and **7.4951, 0.2220, 0.0997** is the 20% darker color. If you saturate the color by 10%, you get **15.7522, 0.2357, 0.1111**, and if you desaturate by 10%, it is **22.4019, 0.2561, 0.1437**.

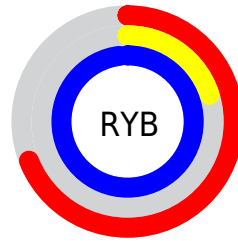
Distribution



Red (69%)

Green (20%)

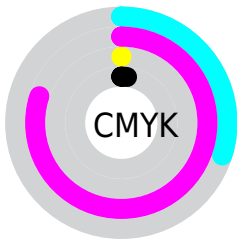
Blue (98%)



Red (69%)

Yellow (20%)

Blue (98%)

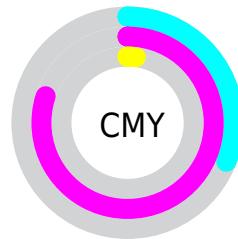


Cyan (30%)

Magenta (80%)

Yellow (0%)

Black (2%)



Cyan (31%)


Magenta (80%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4466, 0.2457, 0.1249 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 18.4466, 0.2457, 0.1249 by changing the saturation by 10% instead.


 18.4466, 0.2457,
0.1249


 18.4466, 0.2457,
0.1249


243.3764, 0.2863,
0.2166


 11.2711, 0.2343,
0.1064


 40.7969, 0.2616,
0.1551


 6.2495, 0.2195,
0.0853


 56.7404, 0.2673,
0.1674

 2.9974, 0.1996,
0.0619


 76.3754, 0.2719,
0.1782

 1.1304, 0.1727,
0.0373

 100.0863, 0.2758,
0.1878

 0.0037, 0.1384,
0.0002

 128.2575, 0.2791,
0.1962

 0.0000, 0.0894,
0.0000

161.2733, 0.2818,

 0.0000, 0.0000,

0.2038

0.0000

199.5181, 0.2842,
0.2105

■ 18.4466, 0.2457,
0.1249

■ 18.4466, 0.2457,
0.1249

■ 15.7522, 0.2357,
0.1111

■ 22.4019, 0.2561,
0.1437

■ 14.0483, 0.2263,
0.1021

■ 27.7846, 0.2665,
0.1669

■ 14.0060, 0.2261,
0.1019

■ 34.7373, 0.2764,
0.1931

■ 43.3842, 0.2857,
0.2212

■ 53.8366, 0.2940,
0.2497

66.1965, 0.3013,
0.2778

80.5576, 0.3076,
0.3046

97.0079, 0.3129,
0.3297

99.7483, 0.3150,
0.3328

Harmonies

Analogous

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



18.4466, 0.1282, 0.1001



18.4466, 0.2457, 0.1249



18.4466, 0.4456, 0.1820

Triad

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



18.4466, 0.2457, 0.1249



18.4466, 0.5542, 0.4458



18.4466, 0.0701, 0.2922

Complementary

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



18.4466, 0.2457, 0.1249



73.7716, 0.3305, 0.5560

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.



18.4466, 0.1371, 0.5795



18.4466, 0.2457, 0.1249



18.4466, 0.4058, 0.5942

Square

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



18.4466, 0.2457, 0.1249



18.4466, 0.6520, 0.3376



18.4466, 0.2589, 0.7130



18.4466, 0.0569, 0.1517

Rectangle

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



18.4466, 0.2457, 0.1249



18.4466, 0.5813, 0.2324



18.4466, 0.2589, 0.7130



18.4466, 0.0848, 0.3754

Sweetspot

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



18.4472, 0.2457, 0.1249



62.8294, 0.2983, 0.2658



23.0138, 0.1839, 0.1600



12.4876, 0.2956, 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.



18.4472, 0.2457, 0.1249



15.1249, 0.2297, 0.1051



28.4643, 0.3452, 0.1788



17.1761, 0.3077, 0.3052



7.4450, 0.2276, 0.1027



0.7503, 0.2386, 0.1088

Inverse Universe

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



24.4100, 0.4890, 0.2664



22.4643, 0.5396, 0.2767



70.2261, 0.2958, 0.5597



17.3343, 0.3234, 0.3200



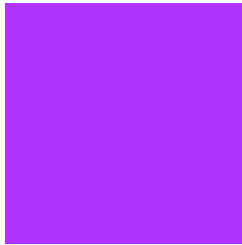
11.2441, 0.5464, 0.2783



1.0613, 0.5141, 0.2606

Previews

White Background



This preview shows how the Yxy color 18.4466, 0.2457, 0.1249 looks on a white background.

Color Contrast Check

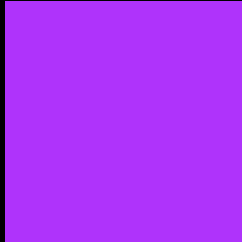
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4466, 0.2457, 0.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

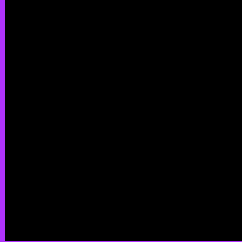
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4466, 0.2457, 0.1249

Background



This preview shows how black text looks on a background with the Yxy color 18.4466, 0.2457, 0.1249.



This preview shows how white text looks on a background with the Yxy color 18.4466, 0.2457, 0.1249.

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

18.4466, 0.2457, 0.1249

Protanopia

18.6723, 0.1741, 0.1467

Deuteranopia

18.6222, 0.1843, 0.1833



Tritanopia

18.3325, 0.3635, 0.3156

Trichromacy



Original Color

18.4466, 0.2457, 0.1249



Protanomaly

15.3369, 0.1781, 0.1218



Deuteranomaly

14.9467, 0.1841, 0.1374



Tritanomaly

16.9703, 0.3127, 0.2157

Monochromacy



Original Color

18.4466, 0.2457, 0.1249



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.8217, 0.2817, 0.2095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4466, 0.2457, 0.1249 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(175, 51, 251)` looks like.

```
.text, #text, p{  
    color:rgb(175, 51, 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(175, 51, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 51, 251) }
```

Border

The CSS property to change the border of an element to Yxy 18.4466, 0.2457, 0.1249 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(175, 51, 251) }
```

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

```
.border{ border-color:rgb(175, 51, 251) }
```

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

Here you see how a box with a 4 pixel rgb(175, 51, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 51, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 51, 251);  
box-shadow:4px 4px 4px 4px rgb(175, 51,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4466, 0.2457, 0.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 51, 251) }
```

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

```
.background{ background-color: rgb(175, 51,  
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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