

Converting Colors

$Y_{xy}(19.1627, 0.2450, 0.1253)$

Have a look what the booklet for
Yxy(19.1627, 0.2450, 0.1253)
contains.

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Color

Yxy(19.2054, 0.2450, 0.1255)

Conversions

Conversions Part 1

Format	Color
Hex	B136FF
RGB	177, 54, 255
RGB Percent	69%, 21%, 100%
CMY	0.3060, 0.7880, 0.0000
CMYK	0.31, 0.79, 0.00, 0.00
HSL	277°, 100%, 61%
HSV	277°, 79%, 100%
XYZ	37.4926, 19.2054, 96.3331
YIQ	113.6910, 8.7870, 88.5870

Conversions

Conversions Part 2

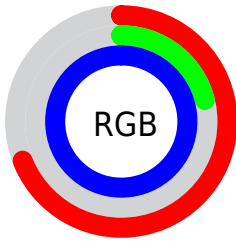
Format	Color
R _Y B	177, 54, 255
Decimal	11613951
CIE Lab	50.93, 78.22, -76.61
CIE LCh	51, 109.486, 315.596
Yxy	19.2054, 0.2450, 0.1255
Android (android.graphics.Color)	4289804031 (0xFFB136FF)
YUV	113.6910, 69.6653, 55.5220
Hunter-Lab	43.8240, 76.0197, -99.6534

Details

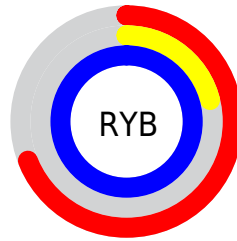
The Yxy color **19.2054, 0.2450, 0.1255** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **76.6959, 0.3317, 0.5536**, and the grayscale version is **16.5235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6586, 0.3035, 0.1923**, and **7.8131, 0.2214, 0.0994** is the 20% darker color. If you saturate the color by 10%, you get **16.2988, 0.2347, 0.1111**, and if you desaturate by 10%, it is **23.4402, 0.2556, 0.1449**.

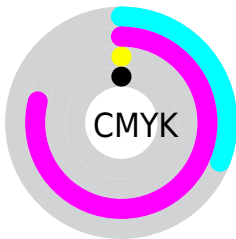
Distribution



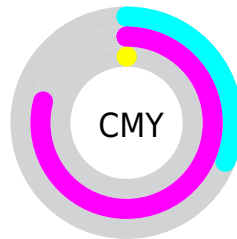
- Red (69%)
- Green (21%)
- Blue (100%)



- Red (69%)
- Yellow (21%)
- Blue (100%)



- Cyan (31%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2054, 0.2450, 0.1255 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 19.2054, 0.2450, 0.1255 by changing the saturation by 10% instead.


 19.2054, 0.2450,
0.1255


 19.2054, 0.2450,
0.1255


247.5803, 0.2857,
0.2164


 11.8188, 0.2337,
0.1072


 42.0809, 0.2608,
0.1554

 6.6204, 0.2191,
0.0864


 58.3386, 0.2665,
0.1676


 3.2259, 0.1996,
0.0633


 78.3220, 0.2712,
0.1783

 1.2508, 0.1733,
0.0389

 102.4157, 0.2751,
0.1877

 0.1026, 0.1394,
0.0054

 131.0040, 0.2784,
0.1961

 0.0000, 0.0922,
0.0000

164.4713, 0.2812,

 0.0000, 0.0000,

0.2036

0.0000

203.2019, 0.2836,
0.2104

■ 19.2054, 0.2450,
0.1255

■ 19.2054, 0.2450,
0.1255

■ 16.2988, 0.2347,
0.1111

■ 23.4402, 0.2556,
0.1449

■ 14.4699, 0.2252,
0.1018

■ 29.1735, 0.2662,
0.1686

■ 14.2843, 0.2240,
0.1008

■ 36.5515, 0.2764,
0.1952

■ 45.7019, 0.2858,
0.2235

■ 56.7397, 0.2942,
0.2522

■ 69.7699, 0.3016,
0.2802

■ 84.8895, 0.3080,
0.3070

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



19.2054, 0.1284, 0.1010



19.2054, 0.2450, 0.1255



19.2054, 0.4431, 0.1822

Triad

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



19.2054, 0.2450, 0.1255



19.2054, 0.5547, 0.4453



19.2054, 0.0715, 0.2945

Complementary

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



19.2054, 0.2450, 0.1255



76.6959, 0.3317, 0.5536

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.



19.2054, 0.1393, 0.5794



19.2054, 0.2450, 0.1255



19.2054, 0.4077, 0.5923

Square

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



19.2054, 0.2450, 0.1255



19.2054, 0.6505, 0.3377



19.2054, 0.2612, 0.7098



19.2054, 0.0578, 0.1534

Rectangle

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



19.2054, 0.2450, 0.1255



19.2054, 0.5781, 0.2326



19.2054, 0.2612, 0.7098



19.2054, 0.0865, 0.3775

Sweetspot

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



19.2061, 0.2450, 0.1255



62.7423, 0.2979, 0.2658



25.1758, 0.1861, 0.1664



12.4666, 0.2952, 0.2557



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.



19.2061, 0.2450, 0.1255



15.0705, 0.2287, 0.1049



29.8951, 0.3411, 0.1772



17.9276, 0.3075, 0.3051



7.5530, 0.2256, 0.1016



0.7985, 0.2362, 0.1075

Inverse Universe

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



25.5712, 0.4836, 0.2646



22.5994, 0.5335, 0.2738



72.7985, 0.2967, 0.5606



18.1039, 0.3233, 0.3198



11.6069, 0.5431, 0.2766



1.1508, 0.5126, 0.2598

Previews

White Background



This preview shows how the Yxy color 19.2054, 0.2450, 0.1255 looks on a white background.

Color Contrast Check

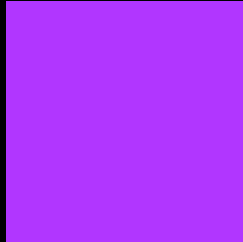
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2054, 0.2450, 0.1255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

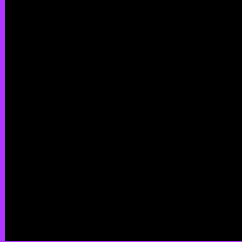
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2054, 0.2450, 0.1255

Background



This preview shows how black text looks on a background with the Yxy color 19.2054, 0.2450, 0.1255.



This preview shows how white text looks on a background with the Yxy color 19.2054, 0.2450, 0.1255.

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

19.2054, 0.2450, 0.1255

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.3216, 0.1841, 0.1826



Tritanopia

18.9939, 0.3627, 0.3157

Trichromacy



Original Color

19.2054, 0.2450, 0.1255



Protanomaly

15.9975, 0.1775, 0.1215



Deuteranomaly

15.7268, 0.1840, 0.1387



Tritanomaly

17.6162, 0.3115, 0.2157

Monochromacy



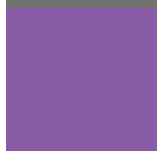
Original Color

19.2054, 0.2450, 0.1255



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.6893, 0.2823, 0.2116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2054, 0.2450, 0.1255 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 54, 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(177, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 54, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.2054, 0.2450, 0.1255 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, 255) }
```

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

```
.border{ border-color:rgb(177, 54, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 54,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2054, 0.2450, 0.1255 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, 255) }
```

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

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