

Converting Colors

$Y_{xy}(16.9575, 0.2427, 0.1137)$

Have a look what the booklet for
Yxy(16.9575, 0.2427, 0.1137)
contains.

Yxy(16.9504, 0.2428, 0.1137)	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(16.9504, 0.2428, 0.1137)

Conversions

Conversions Part 1

Format	Color
Hex	B014FF
RGB	176, 20, 255
RGB Percent	69%, 8%, 100%
CMY	0.3098, 0.9211, 0.0002
CMYK	0.31, 0.92, 0.00, 0.00
HSL	280°, 100%, 54%
HSV	280°, 92%, 100%
XYZ	36.1966, 16.9504, 95.9330
YIQ	93.4340, 17.5410, 106.1570

Conversions

Conversions Part 2

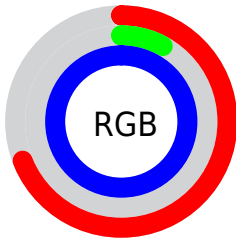
Format	Color
R _Y B	176, 20, 255
Decimal	11539711
CIE Lab	48.20, 85.71, -81.05
CIE LCh	48, 117.961, 316.600
Yxy	16.9504, 0.2428, 0.1137
Android (android.graphics.Color)	4289729791 (0xFFB014FF)
YUV	93.4340, 79.6520, 72.4104
Hunter-Lab	41.1709, 84.8848, -109.3331

Details

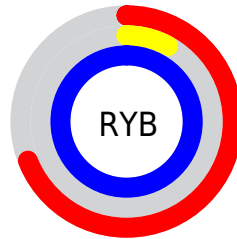
The Yxy color **16.9504, 0.2428, 0.1137** is a light color, and the websafe version is hex **9900FF**. The color can be described as light washed purple. A complement of this color would be **74.1998, 0.3204, 0.5794**, and the grayscale version is **10.8770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7629, 0.3036, 0.1783**, and **7.6761, 0.2192, 0.0981** is the 20% darker color. If you saturate the color by 10%, you get **15.6768, 0.2361, 0.1074**, and if you desaturate by 10%, it is **19.4019, 0.2517, 0.1255**.

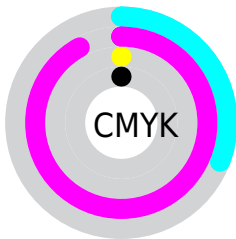
Distribution



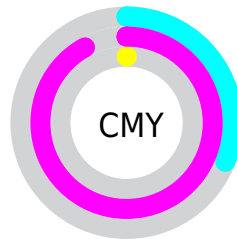
- Red (69%)
- Green (8%)
- Blue (100%)



- Red (69%)
- Yellow (8%)
- Blue (100%)



- Cyan (31%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9504, 0.2428, 0.1137 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 16.9504, 0.2428, 0.1137 by changing the saturation by 10% instead.


 16.9504, 0.2428,
0.1137


 16.9504, 0.2428,
0.1137


234.8864, 0.2857,
0.2089


 10.1991, 0.2308,
0.0951


 38.2405, 0.2596,
0.1446


 5.5312, 0.2151,
0.0743


 53.5481, 0.2656,
0.1573

 2.5622, 0.1944,
0.0517


 72.4766, 0.2706,
0.1686


 0.9077, 0.1666,
0.0290

 95.4104, 0.2747,
0.1785

 0.0000, 0.1310,
0.0000

 122.7339, 0.2781,
0.1874

 0.0000, 0.0832,
0.0000

 154.8314, 0.2810,

 0.0000, 0.0000,

0.1953

0.0000

192.0875, 0.2835,
0.2025

■ 16.9504, 0.2428,
0.1137

■ 16.9504, 0.2428,
0.1137

■ 15.6768, 0.2361,
0.1074

■ 19.4019, 0.2517,
0.1255

■ 23.0942, 0.2609,
0.1424

■ 28.2115, 0.2702,
0.1637

■ 34.9064, 0.2791,
0.1885

■ 43.3111, 0.2874,
0.2155

■ 53.5437, 0.2948,
0.2435

■ 65.7117, 0.3014,
0.2714

■ 79.9139, 0.3071,
0.2984

■ 96.2425, 0.3118,
0.3239

Harmonies

Analogous

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



16.9504, 0.1184, 0.0882



16.9504, 0.2428, 0.1137



16.9504, 0.4638, 0.1723

Triad

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



16.9504, 0.2428, 0.1137



16.9504, 0.5577, 0.4423



16.9504, 0.0544, 0.2767

Complementary

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



16.9504, 0.2428, 0.1137



74.1998, 0.3204, 0.5794

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.



16.9504, 0.1151, 0.6040



16.9504, 0.2428, 0.1137



16.9504, 0.3916, 0.6084

Square

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



16.9504, 0.2428, 0.1137



16.9504, 0.6726, 0.3274



16.9504, 0.2366, 0.7570



16.9504, 0.0453, 0.1348

Rectangle

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



16.9504, 0.2428, 0.1137



16.9504, 0.6123, 0.2234



16.9504, 0.2366, 0.7570



16.9504, 0.0669, 0.3674

Sweetspot

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



16.9510, 0.2428, 0.1137



58.3224, 0.2976, 0.2551



16.9323, 0.1691, 0.1239



11.4149, 0.2947, 0.2430



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.



16.9510, 0.2428, 0.1137



15.6830, 0.2361, 0.1074



26.9093, 0.3597, 0.1781



17.9766, 0.3084, 0.3052



8.2800, 0.2375, 0.1082



0.8662, 0.2471, 0.1135

Inverse Universe

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



22.6588, 0.5447, 0.2822



21.9278, 0.5679, 0.2902



71.9203, 0.2956, 0.5788



18.0878, 0.3241, 0.3210



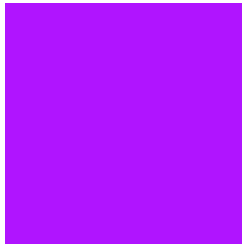
11.4825, 0.5636, 0.2878



1.1374, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 16.9504, 0.2428, 0.1137 looks on a white background.

Color Contrast Check

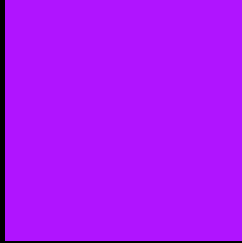
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9504, 0.2428, 0.1137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

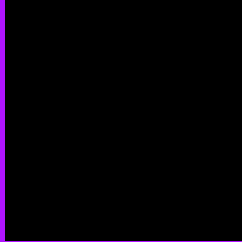
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.9504, 0.2428, 0.1137

Background



This preview shows how black text looks on a background with the Yxy color 16.9504, 0.2428, 0.1137.



This preview shows how white text looks on a background with the Yxy color 16.9504, 0.2428, 0.1137.

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

16.9504, 0.2428, 0.1137

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.2211, 0.1850, 0.1859



Tritanopia

16.8741, 0.3747, 0.3171

Trichromacy



Original Color

16.9504, 0.2428, 0.1137



Protanomaly

12.9496, 0.1750, 0.1086



Deuteranomaly

12.3450, 0.1812, 0.1230



Tritanomaly

14.5789, 0.3160, 0.1999

Monochromacy



Original Color

16.9504, 0.2428, 0.1137



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.5993, 0.2770, 0.1827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9504, 0.2428, 0.1137 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(176, 20, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 20, 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(176, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 20, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.9504, 0.2428, 0.1137 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(176, 20, 255) }
```

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

```
.border{ border-color:rgb(176, 20, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 20, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 20,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9504, 0.2428, 0.1137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 20, 255) }
```

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

```
.background{ background-color: rgb(176, 20,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor