

Converting Colors

$Y_{xy}(16.9220, 0.2160, 0.1311)$

Have a look what the booklet for
Yxy(16.9220, 0.2160, 0.1311)
contains.

Yxy(16.9220, 0.2160, 0.1311)	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(16.9220, 0.2160, 0.1311)

Conversions

Conversions Part 1

Format	Color
Hex	8251F0
RGB	130, 81, 240
RGB Percent	51%, 32%, 94%
CMY	0.4902, 0.6824, 0.0586
CMYK	0.46, 0.66, 0.00, 0.06
HSL	258°, 84%, 63%
HSV	258°, 66%, 94%
XYZ	27.8806, 16.9220, 84.2744
YIQ	113.7770, -21.8350, 59.8370

Conversions

Conversions Part 2

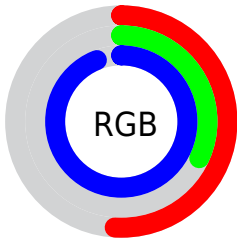
Format	Color
R _{YB}	130, 81, 240
Decimal	8540656
CIE _{Lab}	48.16, 55.66, -73.01
CIE _{LCh}	48, 91.804, 307.322
Yxy	16.9220, 0.2160, 0.1311
Android (android.graphics.Color)	4286730736 (0xFF8251F0)
YUV	113.7770, 62.2279, 14.2276
Hunter-Lab	41.1364, 48.9918, -92.6696

Details

The Yxy color **16.9220, 0.2160, 0.1311** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **74.0275, 0.3674, 0.5022**, and the grayscale version is **16.5713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9422, 0.2627, 0.1926**, and **5.5266, 0.1829, 0.0889** is the 20% darker color. If you saturate the color by 10%, you get **12.7548, 0.1997, 0.1059**, and if you desaturate by 10%, it is **22.5624, 0.2332, 0.1607**.

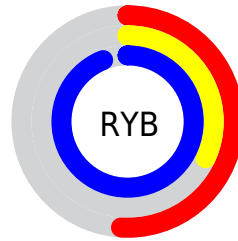
Distribution



Red (51%)

Green (32%)

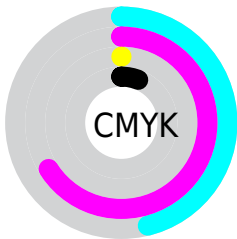
Blue (94%)



Red (51%)

Yellow (32%)

Blue (94%)

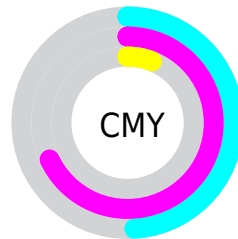


Cyan (46%)

Magenta (66%)

Yellow (0%)

Black (6%)



Cyan (49%)


Magenta (68%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9220, 0.2160, 0.1311 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 16.9220, 0.2160, 0.1311 by changing the saturation by 10% instead.


 16.9220, 0.2160,
0.1311


 16.9220, 0.2160,
0.1311


234.7225, 0.2710,
0.2240


 10.1789, 0.2014,
0.1115


 38.1916, 0.2369,
0.1624


 5.5177, 0.1826,
0.0890


 53.4869, 0.2446,
0.1750

 2.5541, 0.1582,
0.0636


 72.4017, 0.2509,
0.1859

 0.9037, 0.1265,
0.0368

 95.3205, 0.2562,
0.1955

 0.0000, 0.0876,
0.0000

 122.6275, 0.2608,
0.2039

 0.0000, 0.0159,
0.0000

154.7073, 0.2646,

 0.0000, 0.0000,

0.2113

0.0000

191.9441, 0.2680,
0.2180

■ 16.9220, 0.2160,
0.1311

■ 16.9220, 0.2160,
0.1311

■ 12.7548, 0.1997,
0.1059

■ 22.5624, 0.2332,
0.1607

■ 9.9095, 0.1852,
0.0866

■ 29.8034, 0.2503,
0.1926


■ 8.2014, 0.1735,
0.0743


■ 38.7600, 0.2666,
0.2251

■ 7.7480, 0.1698,
0.0709

■ 49.5361, 0.2815,
0.2566

■ 62.2269, 0.2947,
0.2862

 76.9210, 0.3063,
0.3134

 93.7015, 0.3163,
0.3378

 99.0743, 0.3214,
0.3434

Harmonies

Analogous

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



16.9220, 0.1241, 0.1153



16.9220, 0.2160, 0.1311



16.9220, 0.3768, 0.1779

Triad

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



16.9220, 0.2160, 0.1311



16.9220, 0.5770, 0.4230



16.9220, 0.1040, 0.3625

Complementary

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



16.9220, 0.2160, 0.1311



74.0275, 0.3674, 0.5022

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.



16.9220, 0.1912, 0.6025



16.9220, 0.2160, 0.1311



16.9220, 0.4550, 0.5450

Square

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



16.9220, 0.2160, 0.1311



16.9220, 0.6287, 0.3276



16.9220, 0.3174, 0.6554



16.9220, 0.0746, 0.1970

Rectangle

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



16.9220, 0.2160, 0.1311



16.9220, 0.5027, 0.2240



16.9220, 0.3174, 0.6554



16.9220, 0.1261, 0.4443

Sweetspot

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



16.9225, 0.2160, 0.1311



65.5762, 0.2899, 0.2752



45.8888, 0.2196, 0.2648



13.1605, 0.2861, 0.2668



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.



16.9225, 0.2160, 0.1311



13.1544, 0.1936, 0.0974



25.6222, 0.2879, 0.1648



15.4648, 0.3028, 0.3049



4.3008, 0.1712, 0.0717



0.4083, 0.1852, 0.0794

Inverse Universe

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



28.1815, 0.3753, 0.2190



27.4405, 0.3939, 0.2080



66.4419, 0.3170, 0.5340



15.9437, 0.3185, 0.3128



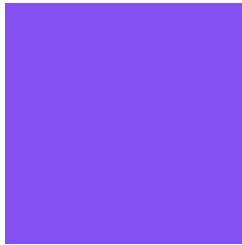
11.6744, 0.4176, 0.2074



0.9889, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 16.9220, 0.2160, 0.1311 looks on a white background.

Color Contrast Check

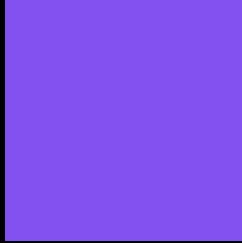
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9220, 0.2160, 0.1311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

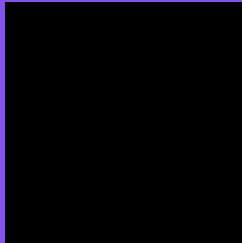
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9220, 0.2160, 0.1311

Background



This preview shows how black text looks on a background with the Yxy color 16.9220, 0.2160, 0.1311.



This preview shows how white text looks on a background with the Yxy color 16.9220, 0.2160, 0.1311.

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

16.9220, 0.2160, 0.1311

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

16.9868, 0.1845, 0.1841



Tritanopia

16.7065, 0.2820, 0.3086

Trichromacy



Original Color

16.9220, 0.2160, 0.1311



Protanomaly

15.5841, 0.1766, 0.1325



Deuteranomaly

15.4628, 0.1834, 0.1532



Tritanomaly

15.8700, 0.2521, 0.2177

Monochromacy



Original Color

16.9220, 0.2160, 0.1311



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.0339, 0.2683, 0.2283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9220, 0.2160, 0.1311 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(130, 81, 240)` looks like.

```
.text, #text, p{  
    color:rgb(130, 81, 240)  
}
```

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(130, 81, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 81, 240) }
```

Border

The CSS property to change the border of an element to Yxy 16.9220, 0.2160, 0.1311 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(130, 81, 240) }
```

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

```
.border{ border-color:rgb(130, 81, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 81, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 81, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 81, 240);  
box-shadow:4px 4px 4px 4px rgb(130, 81,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9220, 0.2160, 0.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 81, 240) }
```

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

```
.background{ background-color: rgb(130, 81,  
240) }
```

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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