

Converting Colors

$Yxy(16.2144, 0.1960, 0.1159)$

Have a look what the booklet for
Yxy(16.2144, 0.1960, 0.1159)
contains.

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Color

Yxy(16.1915, 0.1959, 0.1158)

Conversions

Conversions Part 1

Format	Color
Hex	6F4FFF
RGB	111, 79, 255
RGB Percent	44%, 31%, 100%
CMY	0.5648, 0.6900, 0.0002
CMYK	0.56, 0.69, 0.00, 0.00
HSL	251°, 100%, 65%
HSV	251°, 69%, 100%
XYZ	27.3913, 16.1915, 96.2402
YIQ	108.6320, -37.4240, 61.5200

Conversions

Conversions Part 2

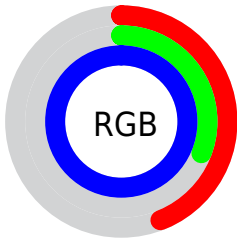
Format	Color
R _Y B	111, 79, 255
Decimal	7294975
CIE Lab	47.22, 57.74, -82.93
CIE LCh	47, 101.053, 304.849
Yxy	16.1915, 0.1959, 0.1158
Android (android.graphics.Color)	4285485055 (0xFF6F4FFF)
YUV	108.6320, 72.1594, 2.0767
Hunter-Lab	40.2387, 51.0911, -113.6388

Details

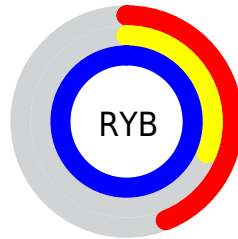
The Yxy color **16.1915, 0.1959, 0.1158** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **87.7366, 0.3838, 0.4982**, and the grayscale version is **14.9871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4513, 0.2498, 0.1858**, and **5.2013, 0.1594, 0.0748** is the 20% darker color. If you saturate the color by 10%, you get **11.9917, 0.1796, 0.0914**, and if you desaturate by 10%, it is **22.1174, 0.2144, 0.1457**.

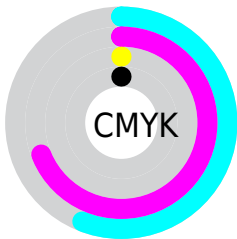
Distribution



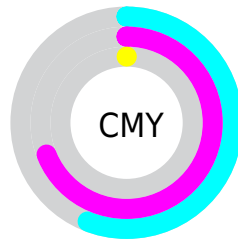
- Red (44%)
- Green (31%)
- Blue (100%)



- Red (44%)
- Yellow (31%)
- Blue (100%)



- Cyan (56%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1915, 0.1959, 0.1158 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 16.1915, 0.1959, 0.1158 by changing the saturation by 10% instead.


 16.1915, 0.1959,
0.1158


 16.1915, 0.1959,
0.1158


230.4691, 0.2605,
0.2131


 9.6598, 0.1796,
0.0964


 36.9303, 0.2198,
0.1478


 5.1740, 0.1594,
0.0746


 51.9062, 0.2288,
0.1609


 2.3497, 0.1340,
0.0510


 70.4656, 0.2363,
0.1724

 0.7998, 0.1028,
0.0275

 92.9929, 0.2426,
0.1825

 0.0000, 0.0667,
0.0000

 119.8725, 0.2481,
0.1915

 0.0000, 0.0069,
0.0000

151.4888, 0.2528,

 0.0000, 0.0000,

0.1995

0.0000

188.2262, 0.2569,
0.2067

■ 16.1915, 0.1959,
0.1158

■ 16.1915, 0.1959,
0.1158

■ 11.9917, 0.1796,
0.0914

■ 22.1174, 0.2144,
0.1457

■ 9.3235, 0.1668,
0.0743

■ 29.9327, 0.2337,
0.1789

■ 7.9095, 0.1579,
0.0647

■ 39.7826, 0.2528,
0.2130

■ 7.8039, 0.1572,
0.0639

■ 51.7978, 0.2707,
0.2463

■ 66.0978, 0.2870,
0.2775

■ 82.7935, 0.3014,
0.3060

99.9963, 0.3127,
0.3291

Harmonies

Analogous

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



16.1915, 0.1065, 0.1021



16.1915, 0.1959, 0.1158



16.1915, 0.3644, 0.1609

Triad

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



16.1915, 0.1959, 0.1158



16.1915, 0.5959, 0.4041



16.1915, 0.0915, 0.3841

Complementary

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



16.1915, 0.1959, 0.1158



87.7366, 0.3838, 0.4982

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.



16.1915, 0.1832, 0.6575



16.1915, 0.1959, 0.1158



16.1915, 0.4635, 0.5365

Square

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



16.1915, 0.1959, 0.1158



16.1915, 0.6545, 0.3103



16.1915, 0.3175, 0.6825



16.1915, 0.0613, 0.1917

Rectangle

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



16.1915, 0.1959, 0.1158



16.1915, 0.5058, 0.2073



16.1915, 0.3175, 0.6825



16.1915, 0.1148, 0.4814

Sweetspot

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



16.1919, 0.1959, 0.1158



63.0779, 0.2839, 0.2715



63.0692, 0.2243, 0.2925



12.6334, 0.2795, 0.2630



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.



16.1919, 0.1959, 0.1158



10.7573, 0.1740, 0.0836



24.5909, 0.2643, 0.1488



17.5363, 0.3007, 0.3046



4.1252, 0.1582, 0.0645



0.4425, 0.1676, 0.0697

Inverse Universe

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



32.1744, 0.3528, 0.1980



28.0007, 0.3628, 0.1861



77.4237, 0.3285, 0.5345



18.2404, 0.3166, 0.3098



13.5269, 0.3731, 0.1829



1.3311, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 16.1915, 0.1959, 0.1158 looks on a white background.

Color Contrast Check

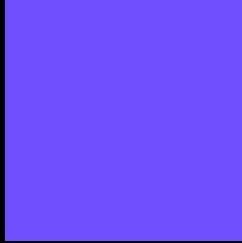
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1915, 0.1959, 0.1158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

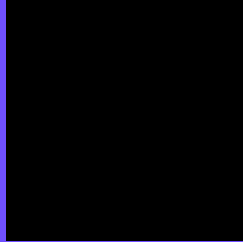
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1915, 0.1959, 0.1158

Background



This preview shows how black text looks on a background with the Yxy color 16.1915, 0.1959, 0.1158.



This preview shows how white text looks on a background with the Yxy color 16.1915, 0.1959, 0.1158.

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

16.1915, 0.1959, 0.1158

Protanopia

16.0614, 0.1739, 0.1461

Deuteranopia

15.9748, 0.1851, 0.1864



Tritanopia

16.1014, 0.2440, 0.3070

Trichromacy



Original Color

16.1915, 0.1959, 0.1158

Protanomaly

15.1149, 0.1739, 0.1286

Deuteranomaly

14.7682, 0.1799, 0.1471

Tritanomaly

14.9038, 0.2188, 0.2025

Monochromacy



Original Color

16.1915, 0.1959, 0.1158

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.6590, 0.2544, 0.2153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1915, 0.1959, 0.1158 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(111, 79, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 79, 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(111, 79, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 79, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.1915, 0.1959, 0.1158 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(111, 79, 255) }
```

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

```
.border{ border-color:rgb(111, 79, 255) }
```

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

Here you see how a box with a 4 pixel rgb(111, 79, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 79, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 79, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 79,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1915, 0.1959, 0.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 79, 255) }
```

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

```
.background{ background-color: rgb(111, 79,  
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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