

Converting Colors

$Y_{xy}(16.5442, 0.1858, 0.1192)$

Have a look what the booklet for
Yxy(16.5442, 0.1858, 0.1192)
contains.

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Color

Yxy(16.4886, 0.1856, 0.1189)

Conversions

Conversions Part 1

Format	Color
Hex	5959FF
RGB	89, 89, 255
RGB Percent	35%, 35%, 100%
CMY	0.6513, 0.6509, 0.0000
CMYK	0.65, 0.65, 0.00, 0.00
HSL	240°, 100%, 67%
HSV	240°, 65%, 100%
XYZ	25.7383, 16.4886, 96.4493
YIQ	107.9240, -53.2860, 51.6260

Conversions

Conversions Part 2

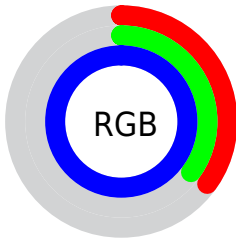
Format	Color
R _Y B	89, 89, 255
Decimal	5855743
CIE Lab	47.61, 49.31, -82.41
CIE LCh	48, 96.030, 300.893
Yxy	16.4886, 0.1856, 0.1189
Android (android.graphics.Color)	4284045823 (0xFF5959FF)
YUV	107.9240, 72.5085, -16.5963
Hunter-Lab	40.6062, 42.0818, -112.4036

Details

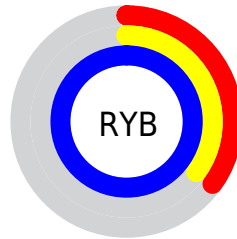
The Yxy color **16.4886, 0.1856, 0.1189** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **93.4383, 0.4029, 0.4779**, and the grayscale version is **14.7749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9447, 0.2371, 0.1908**, and **5.6871, 0.1559, 0.0813** is the 20% darker color. If you saturate the color by 10%, you get **11.9050, 0.1693, 0.0919**, and if you desaturate by 10%, it is **22.9743, 0.2054, 0.1517**.

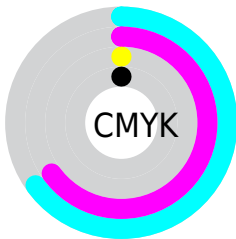
Distribution



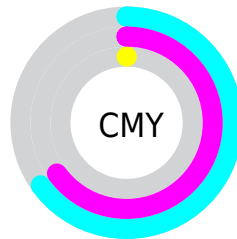
- Red (35%)
- Green (35%)
- Blue (100%)



- Red (35%)
- Yellow (35%)
- Blue (100%)



- Cyan (65%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4886, 0.1856, 0.1189 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 16.4886, 0.1856, 0.1189 by changing the saturation by 10% instead.


 16.4886, 0.1856,
0.1189


 16.4886, 0.1856,
0.1189


232.2078, 0.2545,
0.2158


 9.8706, 0.1687,
0.0993


 37.4444, 0.2108,
0.1510


 5.3132, 0.1478,
0.0773


 52.5509, 0.2203,
0.1640


 2.4322, 0.1220,
0.0533

 71.2557, 0.2283,
0.1755

 0.8424, 0.0908,
0.0292

 93.9432, 0.2352,
0.1855

 0.0000, 0.0559,
0.0000

 120.9978, 0.2410,
0.1944

 0.0000, 0.0000,
0.0000

152.8038, 0.2461,

0.2024

189.7457, 0.2506,
0.2095

■ 16.4886, 0.1856,
0.1189

■ 16.4886, 0.1856,
0.1189

■ 11.9050, 0.1693,
0.0919

■ 22.9743, 0.2054,
0.1517

■ 9.0199, 0.1577,
0.0728

■ 31.5415, 0.2269,
0.1872

■ 7.5780, 0.1516,
0.0626

■ 42.3461, 0.2486,
0.2231

■ 7.2232, 0.1500,
0.0600

■ 55.5299, 0.2692,
0.2572

■ 71.2228, 0.2881,
0.2884

 89.5455, 0.3049,
0.3161

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



16.4886, 0.1056, 0.1093



16.4886, 0.1856, 0.1189



16.4886, 0.3375, 0.1594

Triad

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



16.4886, 0.1856, 0.1189



16.4886, 0.6038, 0.3962



16.4886, 0.1089, 0.4176

Complementary

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



16.4886, 0.1856, 0.1189



93.4383, 0.4029, 0.4779

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.



16.4886, 0.2085, 0.6563



16.4886, 0.1856, 0.1189



16.4886, 0.4832, 0.5168

Square

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



16.4886, 0.1856, 0.1189



16.4886, 0.6389, 0.3056



16.4886, 0.3440, 0.6560



16.4886, 0.0701, 0.2154

Rectangle

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



16.4886, 0.1856, 0.1189



16.4886, 0.4705, 0.2031



16.4886, 0.3440, 0.6560



16.4886, 0.1356, 0.5097

Sweetspot

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



16.4878, 0.1856, 0.1189



63.2572, 0.2792, 0.2736



80.6830, 0.2365, 0.3320



12.6155, 0.2738, 0.2647



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.



16.4878, 0.1856, 0.1189



10.9129, 0.1654, 0.0855



22.8081, 0.2409, 0.1445



17.3795, 0.2978, 0.3044



3.7750, 0.1500, 0.0600



0.3681, 0.1500, 0.0601

Inverse Universe

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



29.1133, 0.5276, 0.3296



24.3857, 0.5866, 0.3297



81.3226, 0.3476, 0.5124



17.9873, 0.3295, 0.3290



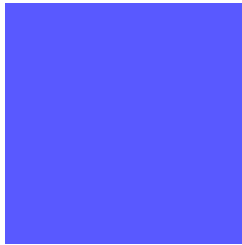
11.1091, 0.6400, 0.3299



1.0817, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 16.4886, 0.1856, 0.1189 looks on a white background.

Color Contrast Check

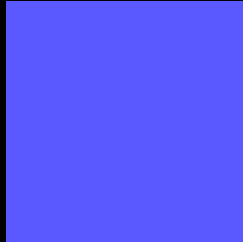
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4886, 0.1856, 0.1189 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 16.4886, 0.1856, 0.1189

Background



This preview shows how black text looks on a background with the Yxy color 16.4886, 0.1856, 0.1189.



This preview shows how white text looks on a background with the Yxy color 16.4886, 0.1856, 0.1189.

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

16.4886, 0.1856, 0.1189

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.2470, 0.1853, 0.1871



Tritanopia

16.1365, 0.2184, 0.3061

Trichromacy



Original Color

16.4886, 0.1856, 0.1189



Protanomaly

15.7875, 0.1733, 0.1323



Deuteranomaly

15.6249, 0.1799, 0.1538



Tritanomaly

14.8903, 0.1949, 0.2027

Monochromacy



Original Color

16.4886, 0.1856, 0.1189



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.6473, 0.2464, 0.2193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4886, 0.1856, 0.1189 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(89, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 89, 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(89, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 89, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.4886, 0.1856, 0.1189 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(89, 89, 255) }
```

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

```
.border{ border-color:rgb(89, 89, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 89, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 89,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4886, 0.1856, 0.1189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 89, 255) }
```

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

```
.background{ background-color: rgb(89, 89,  
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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