

Converting Colors

$Yxy(16.7324, 0.1877, 0.1201)$

Have a look what the booklet for
Yxy(16.7324, 0.1877, 0.1201)
contains.

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Color

Yxy(16.6919, 0.1877, 0.1198)

Conversions

Conversions Part 1

Format	Color
Hex	5D59FF
RGB	93, 89, 255
RGB Percent	36%, 35%, 100%
CMY	0.6347, 0.6512, 0.0000
CMYK	0.63, 0.65, 0.00, 0.00
HSL	242°, 100%, 67%
HSV	242°, 65%, 100%
XYZ	26.1525, 16.6919, 96.4870
YIQ	109.1200, -50.9020, 52.4740

Conversions

Conversions Part 2

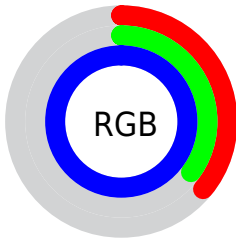
Format	Color
R_{YB}	93, 89, 255
Decimal	6117887
CIE _{Lab}	47.87, 49.91, -81.98
CIE _{LCh}	48, 95.979, 301.332
Yxy	16.6919, 0.1877, 0.1198
Android (android.graphics.Color)	4284307967 (0xFF5D59FF)
YUV	109.1200, 71.9188, -14.1372
Hunter-Lab	40.8557, 42.7636, -111.4233

Details

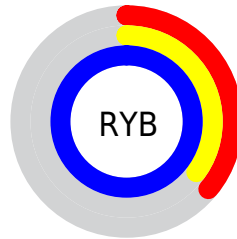
The Yxy color **16.6919, 0.1877, 0.1198** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **92.7107, 0.3999, 0.4798**, and the grayscale version is **15.1346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3471, 0.2399, 0.1917**, and **5.6871, 0.1559, 0.0813** is the 20% darker color. If you saturate the color by 10%, you get **12.0634, 0.1711, 0.0927**, and if you desaturate by 10%, it is **23.2056, 0.2075, 0.1525**.

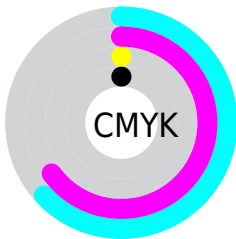
Distribution



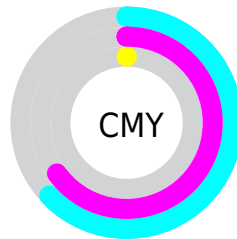
- Red (36%)
- Green (35%)
- Blue (100%)



- Red (36%)
- Yellow (35%)
- Blue (100%)



- Cyan (63%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6919, 0.1877, 0.1198 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 16.6919, 0.1877, 0.1198 by changing the saturation by 10% instead.


 16.6919, 0.1877,
0.1198


 16.6919, 0.1877,
0.1198


233.3906, 0.2555,
0.2163


 10.0151, 0.1710,
0.1003


 37.7953, 0.2126,
0.1517


 5.4089, 0.1503,
0.0783


 52.9906, 0.2220,
0.1647

 2.4891, 0.1247,
0.0543

 71.7942, 0.2298,
0.1761

 0.8712, 0.0935,
0.0300

 94.5906, 0.2366,
0.1861

 0.0000, 0.0585,
0.0000

 121.7640, 0.2423,
0.1950

 0.0000, 0.0000,
0.0000

153.6988, 0.2473,

0.2029

190.7796, 0.2517,
0.2099

■ 16.6919, 0.1877,
0.1198

■ 16.6919, 0.1877,
0.1198

■ 12.0634, 0.1711,
0.0927

■ 23.2056, 0.2075,
0.1525

■ 9.1255, 0.1591,
0.0735

■ 31.7851, 0.2288,
0.1878

■ 7.6280, 0.1522,
0.0629

■ 42.5819, 0.2502,
0.2234

■ 7.2617, 0.1505,
0.0603

■ 55.7352, 0.2704,
0.2574

■ 71.3727, 0.2888,
0.2884

■ 89.6131, 0.3051,
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.



16.6919, 0.1069, 0.1098



16.6919, 0.1877, 0.1198



16.6919, 0.3402, 0.1607

Triad

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



16.6919, 0.1877, 0.1198



16.6919, 0.6018, 0.3982



16.6919, 0.1086, 0.4134

Complementary

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



16.6919, 0.1877, 0.1198



92.7107, 0.3999, 0.4798

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.



16.6919, 0.2074, 0.6526



16.6919, 0.1877, 0.1198



16.6919, 0.4812, 0.5188

Square

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



16.6919, 0.1877, 0.1198



16.6919, 0.6382, 0.3072



16.6919, 0.3423, 0.6562



16.6919, 0.0705, 0.2141

Rectangle

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



16.6919, 0.1877, 0.1198



16.6919, 0.4728, 0.2046



16.6919, 0.3423, 0.6562



16.6919, 0.1350, 0.5048

Sweetspot

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



16.6895, 0.1877, 0.1198



63.4265, 0.2800, 0.2737



79.1077, 0.2347, 0.3255



12.6550, 0.2748, 0.2648



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.



16.6895, 0.1877, 0.1198



11.0546, 0.1671, 0.0863



23.4382, 0.2456, 0.1467



17.3997, 0.2982, 0.3044



3.8039, 0.1508, 0.0604



0.3778, 0.1525, 0.0614

Inverse Universe

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



35.3465, 0.3236, 0.1839



30.9976, 0.3253, 0.1683



80.6976, 0.3441, 0.5145



18.2920, 0.3142, 0.3062



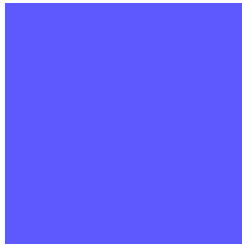
14.6711, 0.3274, 0.1577



1.4309, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 16.6919, 0.1877, 0.1198 looks on a white background.

Color Contrast Check

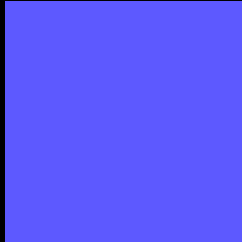
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6919, 0.1877, 0.1198 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 16.6919, 0.1877, 0.1198

Background



This preview shows how black text looks on a background with the Yxy color 16.6919, 0.1877, 0.1198.



This preview shows how white text looks on a background with the Yxy color 16.6919, 0.1877, 0.1198.

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

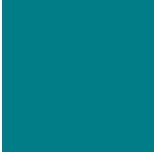
16.6919, 0.1877, 0.1198

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.5680, 0.1852, 0.1867



Tritanopia

16.4165, 0.2184, 0.3063

Trichromacy



Original Color

16.6919, 0.1877, 0.1198

Protanomaly

16.0748, 0.1739, 0.1332

Deuteranomaly

15.7626, 0.1798, 0.1524

Tritanomaly

15.1831, 0.1956, 0.2036

Monochromacy



Original Color

16.6919, 0.1877, 0.1198

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9949, 0.2479, 0.2204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6919, 0.1877, 0.1198 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(93, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 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(93, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 89, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.6919, 0.1877, 0.1198 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(93, 89, 255) }
```

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

```
.border{ border-color:rgb(93, 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(93, 89, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 89,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6919, 0.1877, 0.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 89, 255) }
```

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

```
.background{ background-color: rgb(93, 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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