

Converting Colors

$Yxy(18.7923, 0.1874, 0.1321)$

Have a look what the booklet for
Yxy(18.7923, 0.1874, 0.1321)
contains.

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Color

Yxy(18.8989, 0.1877, 0.1326)

Conversions

Conversions Part 1

Format	Color
Hex	5667FF
RGB	86, 103, 255
RGB Percent	34%, 40%, 100%
CMY	0.6622, 0.5963, 0.0000
CMYK	0.66, 0.60, 0.00, 0.00
HSL	234°, 100%, 67%
HSV	234°, 66%, 100%
XYZ	26.7521, 18.8989, 96.8747
YIQ	115.2450, -58.9240, 43.6680

Conversions

Conversions Part 2

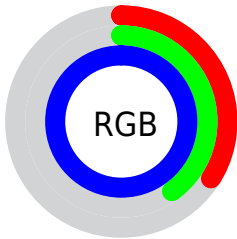
Format	Color
R _Y B	86, 101, 255
Decimal	5662719
CIE Lab	50.57, 40.74, -77.59
CIE LCh	51, 87.632, 297.704
Yxy	18.8989, 0.1877, 0.1326
Android (android.graphics.Color)	4283852799 (0xFF5667FF)
YUV	115.2450, 68.8992, -25.6479
Hunter-Lab	43.4729, 33.7667, -101.6905

Details

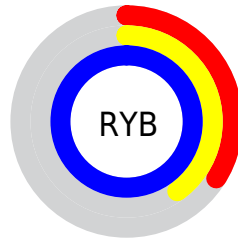
The Yxy color **18.8989, 0.1877, 0.1326** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **83.1976, 0.4138, 0.4680**, and the grayscale version is **17.0291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0066, 0.2376, 0.2067**, and **6.8596, 0.1599, 0.0954** is the 20% darker color. If you saturate the color by 10%, you get **13.9373, 0.1718, 0.1049**, and if you desaturate by 10%, it is **25.5424, 0.2066, 0.1642**.

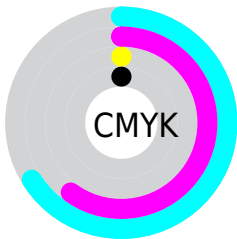
Distribution



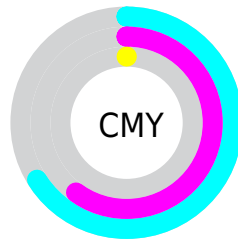
- Red (34%)
- Green (40%)
- Blue (100%)



- Red (34%)
- Yellow (40%)
- Blue (100%)



- Cyan (66%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8989, 0.1877, 0.1326 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 18.8989, 0.1877, 0.1326 by changing the saturation by 10% instead.


 18.8989, 0.1877,
0.1326


 18.8989, 0.1877,
0.1326


245.8901, 0.2543,
0.2244


 11.5972, 0.1714,
0.1135


 41.5632, 0.2120,
0.1634

 6.4701, 0.1513,
0.0915


 57.6946, 0.2211,
0.1758

 3.1330, 0.1265,
0.0668


 77.5381, 0.2289,
0.1866

 1.2015, 0.0961,
0.0406

 101.4780, 0.2355,
0.1961

 0.0630, 0.0616,
0.0036

129.8988, 0.2412,
0.2044

 0.0000, 0.0002,
0.0000

163.1848, 0.2461,

 0.0000, 0.0000,

0.2118

0.0000

201.7204, 0.2505,
0.2185

■ 18.8989, 0.1877,
0.1326

■ 18.8989, 0.1877,
0.1326

■ 13.9373, 0.1718,
0.1049

■ 25.5424, 0.2066,
0.1642

■ 10.5092, 0.1600,
0.0832

■ 34.0079, 0.2271,
0.1974

■ 8.4302, 0.1531,
0.0689

■ 44.4145, 0.2478,
0.2303

■ 7.9315, 0.1515,
0.0653

■ 56.8729, 0.2678,
0.2613

■ 71.4852, 0.2864,
0.2896

■ 88.3468, 0.3032,
0.3149

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.



18.8989, 0.1162, 0.1269



18.8989, 0.1877, 0.1326



18.8989, 0.3191, 0.1686

Triad

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



18.8989, 0.1877, 0.1326



18.8989, 0.5879, 0.3930



18.8989, 0.1380, 0.4328

Complementary

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



18.8989, 0.1877, 0.1326



83.1976, 0.4138, 0.4680

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.



18.8989, 0.2404, 0.6196



18.8989, 0.1877, 0.1326



18.8989, 0.4964, 0.5036

Square

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



18.8989, 0.1877, 0.1326



18.8989, 0.6013, 0.3085



18.8989, 0.3670, 0.6113



18.8989, 0.0905, 0.2452

Rectangle

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



18.8989, 0.1877, 0.1326



18.8989, 0.4342, 0.2087



18.8989, 0.3670, 0.6113



18.8989, 0.1668, 0.5082

Sweetspot

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



18.8971, 0.1877, 0.1326



65.6954, 0.2795, 0.2792



79.6854, 0.2413, 0.3492



13.1851, 0.2743, 0.2712



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.



18.8971, 0.1877, 0.1326



12.8360, 0.1680, 0.0982



20.7394, 0.2277, 0.1363



17.6684, 0.2979, 0.3069



4.2395, 0.1519, 0.0666



0.5051, 0.1554, 0.0795

Inverse Universe

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



28.9181, 0.5119, 0.3148



24.3457, 0.5690, 0.3166



82.8173, 0.3570, 0.5092



18.0164, 0.3279, 0.3267



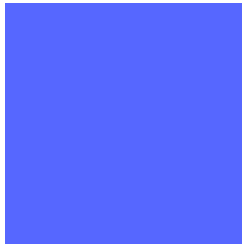
11.1559, 0.6289, 0.3238



1.0955, 0.6077, 0.3121

Previews

White Background



This preview shows how the Yxy color 18.8989, 0.1877, 0.1326 looks on a white background.

Color Contrast Check

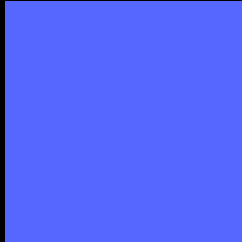
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.8989, 0.1877, 0.1326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

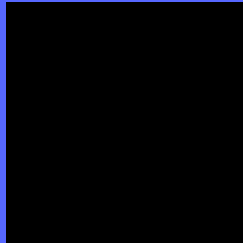
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8989, 0.1877, 0.1326

Background



This preview shows how black text looks on a background with the Yxy color 18.8989, 0.1877, 0.1326.



This preview shows how white text looks on a background with the Yxy color 18.8989, 0.1877, 0.1326.

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

18.8989, 0.1877, 0.1326

Protanopia

18.7931, 0.1737, 0.1454

Deuteranopia

18.8691, 0.1847, 0.1850



Tritanopia

18.7582, 0.2188, 0.3075

Trichromacy



Original Color

18.8989, 0.1877, 0.1326

Protanomaly

18.4375, 0.1747, 0.1389

Deuteranomaly

18.3281, 0.1812, 0.1606

Tritanomaly

17.6711, 0.1979, 0.2162

Monochromacy



Original Color

18.8989, 0.1877, 0.1326

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1253, 0.2488, 0.2316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8989, 0.1877, 0.1326 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(86, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 103, 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(86, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 103, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.8989, 0.1877, 0.1326 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(86, 103, 255) }
```

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

```
.border{ border-color:rgb(86, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 103,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8989, 0.1877, 0.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 103, 255) }
```

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

```
.background{ background-color: rgb(86, 103,  
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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