

Converting Colors

$Yxy(18.8677, 0.1823, 0.1333)$

Have a look what the booklet for
Yxy(18.8677, 0.1823, 0.1333)
contains.

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Color

Yxy(18.8677, 0.1823, 0.1333)

Conversions

Conversions Part 1

Format	Color
Hex	476AFF
RGB	71, 106, 255
RGB Percent	28%, 42%, 100%
CMY	0.7213, 0.5843, 0.0001
CMYK	0.72, 0.58, 0.00, 0.00
HSL	229°, 100%, 64%
HSV	229°, 72%, 100%
XYZ	25.8033, 18.8677, 96.8721
YIQ	112.5210, -68.6890, 38.9190

Conversions

Conversions Part 2

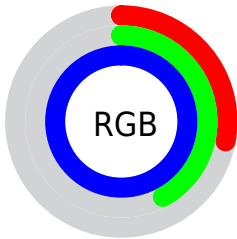
Format	Color
R _Y B	71, 100, 255
Decimal	4680447
CIE Lab	50.53, 36.98, -77.65
CIE LCh	51, 86.003, 295.465
Yxy	18.8677, 0.1823, 0.1333
Android (android.graphics.Color)	4282870527 (0xFF476AFF)
YUV	112.5210, 70.2421, -36.4139
Hunter-Lab	43.4370, 30.0215, -101.8213

Details

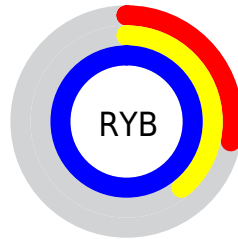
The Yxy color **18.8677, 0.1823, 0.1333** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **72.9300, 0.4320, 0.4634**, and the grayscale version is **16.1744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9967, 0.2313, 0.2082**, and **7.2629, 0.1611, 0.1001** is the 20% darker color. If you saturate the color by 10%, you get **14.3402, 0.1687, 0.1079**, and if you desaturate by 10%, it is **24.8255, 0.1991, 0.1622**.

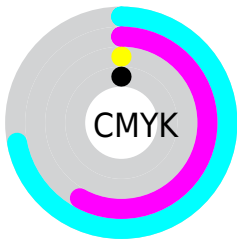
Distribution



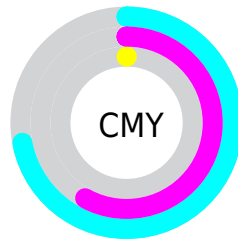
- Red (28%)
- Green (42%)
- Blue (100%)



- Red (28%)
- Yellow (39%)
- Blue (100%)



- Cyan (72%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8677, 0.1823, 0.1333 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 18.8677, 0.1823, 0.1333 by changing the saturation by 10% instead.


 18.8677, 0.1823,
0.1333


 18.8677, 0.1823,
0.1333


245.7174, 0.2512,
0.2252


 11.5747, 0.1656,
0.1141


 41.5104, 0.2073,
0.1642

 6.4548, 0.1452,
0.0919


 57.6290, 0.2167,
0.1766

 3.1236, 0.1200,
0.0671

 77.4581, 0.2248,
0.1874

 1.1966, 0.0896,
0.0407

 101.3823, 0.2316,
0.1969

 0.0589, 0.0557,
0.0034

129.7860, 0.2375,
0.2053

 0.0000, 0.0000,
0.0000

163.0534, 0.2427,

0.2127

201.5691, 0.2472,
0.2193

■ 18.8677, 0.1823,
0.1333

■ 18.8677, 0.1823,
0.1333

■ 14.3402, 0.1687,
0.1079

■ 24.8255, 0.1991,
0.1622

■ 11.1125, 0.1591,
0.0875

■ 32.3248, 0.2179,
0.1926

■ 9.3668, 0.1544,
0.0756

■ 41.4665, 0.2376,
0.2230

■ 52.3428, 0.2572,
0.2521

■ 65.0384, 0.2760,
0.2790

■ 79.6327, 0.2935,
0.3032

■ 96.2001, 0.3095,
0.3248

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



18.8677, 0.1150, 0.1300



18.8677, 0.1823, 0.1333



18.8677, 0.3075, 0.1668

Triad

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



18.8677, 0.1823, 0.1333



18.8677, 0.5893, 0.3871



18.8677, 0.1466, 0.4476

Complementary

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



18.8677, 0.1823, 0.1333



72.9300, 0.4320, 0.4634

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.



18.8677, 0.2516, 0.6201



18.8677, 0.1823, 0.1333



18.8677, 0.5036, 0.4939

Square

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



18.8677, 0.1823, 0.1333



18.8677, 0.5930, 0.3040



18.8677, 0.3777, 0.6012



18.8677, 0.0948, 0.2573

Rectangle

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



18.8677, 0.1823, 0.1333



18.8677, 0.4194, 0.2054



18.8677, 0.3777, 0.6012



18.8677, 0.1767, 0.5202

Sweetspot

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



18.8682, 0.1823, 0.1333



65.2209, 0.2763, 0.2793



77.9220, 0.2456, 0.3750



13.1821, 0.2713, 0.2723



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.



18.8682, 0.1823, 0.1333



12.6154, 0.1635, 0.0972



16.1891, 0.2048, 0.1146



17.9357, 0.2979, 0.3091



5.0535, 0.1549, 0.0777



0.6328, 0.1601, 0.0964

Inverse Universe

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



26.8127, 0.5162, 0.3003



22.8678, 0.5759, 0.3058



84.2161, 0.3701, 0.5138



18.0434, 0.3264, 0.3245



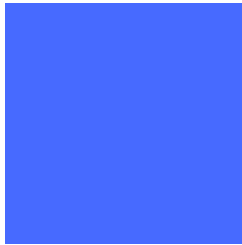
11.2381, 0.6106, 0.3137



1.1084, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 18.8677, 0.1823, 0.1333 looks on a white background.

Color Contrast Check

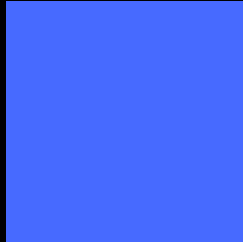
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8677, 0.1823, 0.1333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

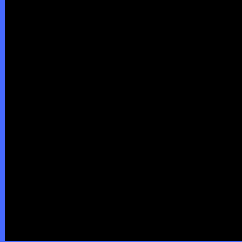
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8677, 0.1823, 0.1333

Background



This preview shows how black text looks on a background with the Yxy color 18.8677, 0.1823, 0.1333.



This preview shows how white text looks on a background with the Yxy color 18.8677, 0.1823, 0.1333.

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

18.8677, 0.1823, 0.1333

Protanopia

18.7931, 0.1737, 0.1454

Deuteranopia

18.5722, 0.1846, 0.1844



Tritanopia

18.7281, 0.2193, 0.3095

Trichromacy



Original Color

18.8677, 0.1823, 0.1333

Protanomaly

18.5853, 0.1743, 0.1398

Deuteranomaly

18.2014, 0.1805, 0.1611

Tritanomaly

17.8044, 0.1976, 0.2191

Monochromacy



Original Color

18.8677, 0.1823, 0.1333

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4651, 0.2426, 0.2296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8677, 0.1823, 0.1333 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(71, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 106, 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(71, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 106, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.8677, 0.1823, 0.1333 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(71, 106, 255) }
```

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

```
.border{ border-color:rgb(71, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 106,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8677, 0.1823, 0.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 106, 255) }
```

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

```
.background{ background-color: rgb(71, 106,  
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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