

Converting Colors

$Yxy(18.9304, 0.1935, 0.1506)$

Have a look what the booklet for
Yxy(18.9304, 0.1935, 0.1506)
contains.

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Color

Yxy(18.8907, 0.1935, 0.1503)

Conversions

Conversions Part 1

Format	Color
Hex	536DED
RGB	83, 109, 237
RGB Percent	33%, 43%, 93%
CMY	0.6745, 0.5725, 0.0706
CMYK	0.65, 0.54, 0.00, 0.07
HSL	230°, 81%, 63%
HSV	230°, 65%, 93%
XYZ	24.3204, 18.8907, 82.4756
YIQ	115.8180, -56.5840, 34.2960

Conversions

Conversions Part 2

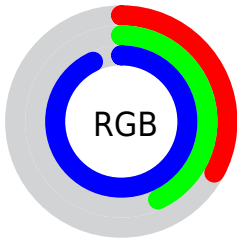
Format	Color
R _{YB}	83, 105, 237
Decimal	5467629
CIE _{Lab}	50.56, 30.54, -67.56
CIE _{LCh}	51, 74.137, 294.324
Yxy	18.8907, 0.1935, 0.1503
Android (android.graphics.Color)	4283657709 (0xFF536DED)
YUV	115.8180, 59.7427, -28.7814
Hunter-Lab	43.4634, 23.8203, -82.0834

Details

The Yxy color **18.8907, 0.1935, 0.1503** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **65.2108, 0.4192, 0.4573**, and the grayscale version is **17.2346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5647, 0.2356, 0.2130**, and **6.7405, 0.1642, 0.1111** is the 20% darker color. If you saturate the color by 10%, you get **14.2489, 0.1774, 0.1221**, and if you desaturate by 10%, it is **24.8434, 0.2121, 0.1809**.

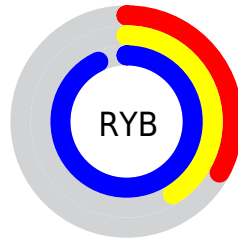
Distribution



Red (33%)

Green (43%)

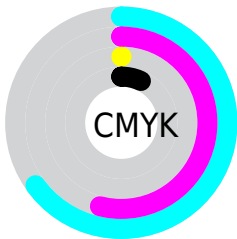
Blue (93%)



Red (33%)

Yellow (41%)

Blue (93%)

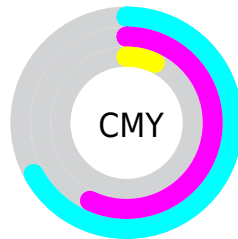


Cyan (65%)

Magenta (54%)

Yellow (0%)

Black (7%)



Cyan (67%)


Magenta (57%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8907, 0.1935, 0.1503 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 18.8907, 0.1935, 0.1503 by changing the saturation by 10% instead.


 18.8907, 0.1935,
0.1503


 18.8907, 0.1935,
0.1503


245.8447, 0.2576,
0.2373


 11.5913, 0.1774,
0.1310


 41.5493, 0.2172,
0.1805

 6.4661, 0.1571,
0.1081


 57.6774, 0.2260,
0.1923

 3.1305, 0.1315,
0.0813

 77.5171, 0.2334,
0.2025

 1.2002, 0.0994,
0.0514

 101.4529, 0.2398,
0.2113

 0.0619, 0.0621,
0.0048

129.8692, 0.2452,
0.2191

 0.0000, 0.0000,
0.0000

163.1503, 0.2499,

0.2259

201.6807, 0.2540,
0.2319

■ 18.8907, 0.1935,
0.1503

■ 18.8907, 0.1935,
0.1503

■ 14.2489, 0.1774,
0.1221

■ 24.8434, 0.2121,
0.1809

■ 10.8134, 0.1648,
0.0981

■ 32.1969, 0.2318,
0.2120

■ 8.4649, 0.1565,
0.0799

■ 41.0350, 0.2517,
0.2421

■ 7.6321, 0.1537,
0.0731

■ 51.4340, 0.2708,
0.2703

■ 63.4653, 0.2888,
0.2959

■ 77.1954, 0.3052,
0.3187

■ 92.6874, 0.3199,
0.3387

■ 98.8937, 0.3232,
0.3464

Harmonies

Analogous

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



18.8907, 0.1311, 0.1491



18.8907, 0.1935, 0.1503



18.8907, 0.3047, 0.1810

Triad

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



18.8907, 0.1935, 0.1503



18.8907, 0.5646, 0.3899



18.8907, 0.1707, 0.4381

Complementary

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



18.8907, 0.1935, 0.1503



65.2108, 0.4192, 0.4573

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.



18.8907, 0.2706, 0.5773



18.8907, 0.1935, 0.1503



18.8907, 0.4941, 0.4820

Square

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



18.8907, 0.1935, 0.1503



18.8907, 0.5562, 0.3103



18.8907, 0.3866, 0.5702



18.8907, 0.1169, 0.2751

Rectangle

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



18.8907, 0.1935, 0.1503



18.8907, 0.4011, 0.2167



18.8907, 0.3866, 0.5702



18.8907, 0.1999, 0.4962

Sweetspot

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



18.8912, 0.1935, 0.1503



68.8842, 0.2816, 0.2857



66.9922, 0.2477, 0.3660



13.8774, 0.2764, 0.2783



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.



18.8912, 0.1935, 0.1503



15.3224, 0.1727, 0.1135



17.1881, 0.2193, 0.1353



14.9599, 0.2980, 0.3088



4.2958, 0.1542, 0.0751



0.4584, 0.1605, 0.0976

Inverse Universe

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



25.2942, 0.4897, 0.3038



24.8308, 0.5468, 0.3052



71.9063, 0.3660, 0.4999



15.0955, 0.3266, 0.3250



9.9265, 0.6149, 0.3161



0.7917, 0.5795, 0.2966

Previews

White Background



This preview shows how the Yxy color 18.8907, 0.1935, 0.1503 looks on a white background.

Color Contrast Check

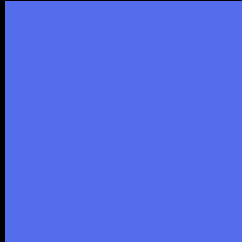
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8907, 0.1935, 0.1503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

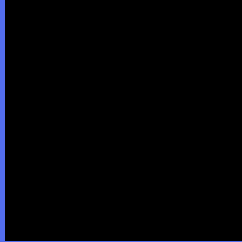
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8907, 0.1935, 0.1503

Background



This preview shows how black text looks on a background with the Yxy color 18.8907, 0.1935, 0.1503.



This preview shows how white text looks on a background with the Yxy color 18.8907, 0.1935, 0.1503.

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

18.8907, 0.1935, 0.1503

Protanopia

18.9316, 0.1752, 0.1460

Deuteranopia

18.7232, 0.1837, 0.1813



Tritanopia

18.8516, 0.2207, 0.3076

Trichromacy



Original Color

18.8907, 0.1935, 0.1503

Protanomaly

18.6534, 0.1790, 0.1469

Deuteranomaly

18.2725, 0.1827, 0.1662

Tritanomaly

18.0210, 0.2043, 0.2304

Monochromacy



Original Color

18.8907, 0.1935, 0.1503

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2914, 0.2533, 0.2439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8907, 0.1935, 0.1503 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(83, 109, 237)` looks like.

```
.text, #text, p{  
  color:rgb(83, 109, 237)  
}
```

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(83, 109, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 109, 237) }
```

Border

The CSS property to change the border of an element to Yxy 18.8907, 0.1935, 0.1503 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(83, 109, 237) }
```

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

```
.border{ border-color:rgb(83, 109, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 109, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 109, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 109, 237);  
box-shadow:4px 4px 4px 4px rgb(83, 109,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8907, 0.1935, 0.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 109, 237) }
```

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

```
.background{ background-color: rgb(83, 109,  
237) }
```

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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