

Converting Colors

$Y_{xy}(18.9219, 0.1936, 0.1319)$

Have a look what the booklet for
Yxy(18.9219, 0.1936, 0.1319)
contains.

Yxy(18.8530, 0.1936, 0.1315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(18.8530, 0.1936, 0.1315)

Conversions

Conversions Part 1

Format	Color
Hex	6463FF
RGB	100, 99, 255
RGB Percent	39%, 39%, 100%
CMY	0.6082, 0.6116, 0.0001
CMYK	0.61, 0.61, 0.00, 0.00
HSL	240°, 100%, 69%
HSV	240°, 61%, 100%
XYZ	27.7562, 18.8530, 96.7596
YIQ	117.0830, -49.4800, 48.7280

Conversions

Conversions Part 2

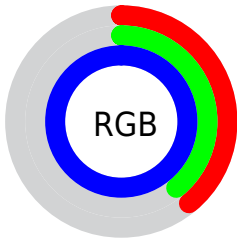
Format	Color
R _Y B	100, 99, 255
Decimal	6579199
CIE Lab	50.51, 45.02, -77.60
CIE LCh	51, 89.717, 300.121
Yxy	18.8530, 0.1936, 0.1315
Android (android.graphics.Color)	4284769279 (0xFF6463FF)
YUV	117.0830, 67.9931, -14.9818
Hunter-Lab	43.4200, 38.1208, -101.7311

Details

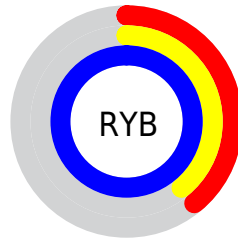
The Yxy color **18.8530, 0.1936, 0.1315** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.4918, 0.3983, 0.4719**, and the grayscale version is **17.6114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9252, 0.2451, 0.2045**, and **6.4872, 0.1586, 0.0910** is the 20% darker color. If you saturate the color by 10%, you get **13.5329, 0.1756, 0.1019**, and if you desaturate by 10%, it is **26.1481, 0.2143, 0.1657**.

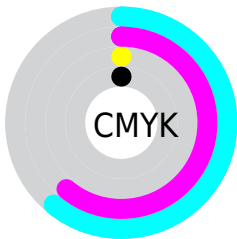
Distribution



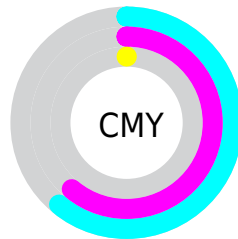
- Red (39%)
- Green (39%)
- Blue (100%)



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



- Cyan (61%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8530, 0.1936, 0.1315 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 18.8530, 0.1936, 0.1315 by changing the saturation by 10% instead.

 18.8530, 0.1936,
0.1315


 18.8530, 0.1936,
0.1315


245.6360, 0.2576,
0.2233

 11.5641, 0.1778,
0.1124


 41.4856, 0.2171,
0.1622

 6.4476, 0.1581,
0.0906


 57.5980, 0.2259,
0.1746

 3.1191, 0.1335,
0.0661


 77.4204, 0.2333,
0.1854

 1.1942, 0.1032,
0.0401

 101.3372, 0.2397,
0.1949

 0.0570, 0.0682,
0.0033

129.7328, 0.2451,
0.2033

 0.0000, 0.0105,
0.0000

162.9915, 0.2499,

 0.0000, 0.0000,

0.2107

0.0000

201.4978, 0.2540,
0.2174

■ 18.8530, 0.1936,
0.1315

■ 18.8530, 0.1936,
0.1315

■ 13.5329, 0.1756,
0.1019

■ 26.1481, 0.2143,
0.1657

■ 9.9938, 0.1620,
0.0794

■ 35.5843, 0.2360,
0.2016

■ 8.0055, 0.1536,
0.0657

■ 47.3117, 0.2573,
0.2369

■ 7.2275, 0.1501,
0.0601

■ 61.4668, 0.2772,
0.2699

■ 78.1753, 0.2952,
0.2998

97.5540, 0.3110,
0.3262

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



18.8530, 0.1173, 0.1232



18.8530, 0.1936, 0.1315



18.8530, 0.3324, 0.1702

Triad

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



18.8530, 0.1936, 0.1315



18.8530, 0.5866, 0.3996



18.8530, 0.1283, 0.4162

Complementary

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



18.8530, 0.1936, 0.1315



93.4918, 0.3983, 0.4719

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.



18.8530, 0.2277, 0.6191



18.8530, 0.1936, 0.1315



18.8530, 0.4868, 0.5132

Square

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



18.8530, 0.1936, 0.1315



18.8530, 0.6105, 0.3131



18.8530, 0.3548, 0.6232



18.8530, 0.0856, 0.2321

Rectangle

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



18.8530, 0.1936, 0.1315



18.8530, 0.4512, 0.2120



18.8530, 0.3548, 0.6232



18.8530, 0.1556, 0.4948

Sweetspot

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



18.8535, 0.1936, 0.1315



66.4778, 0.2831, 0.2797



81.3750, 0.2382, 0.3288



13.2416, 0.2776, 0.2707



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.



18.8535, 0.1936, 0.1315



12.7562, 0.1728, 0.0971



25.4965, 0.2486, 0.1559



17.3827, 0.2979, 0.3044



3.7796, 0.1502, 0.0601



0.3696, 0.1506, 0.0603

Inverse Universe

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



37.3470, 0.3202, 0.1880



32.6503, 0.3212, 0.1712



81.7513, 0.3454, 0.5030



18.2985, 0.3139, 0.3057



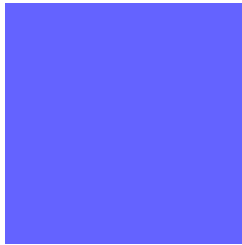
14.8340, 0.3223, 0.1549



1.4449, 0.3222, 0.1548

Previews

White Background



This preview shows how the Yxy color 18.8530, 0.1936, 0.1315 looks on a white background.

Color Contrast Check

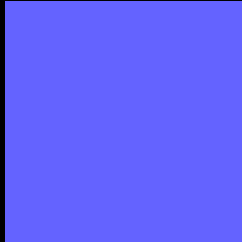
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8530, 0.1936, 0.1315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

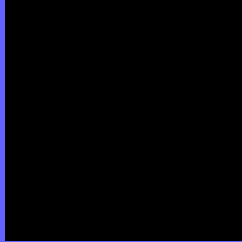
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8530, 0.1936, 0.1315

Background



This preview shows how black text looks on a background with the Yxy color 18.8530, 0.1936, 0.1315.

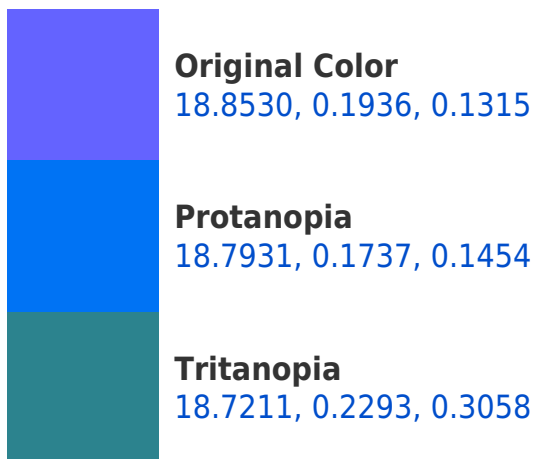


This preview shows how white text looks on a background with the Yxy color 18.8530, 0.1936, 0.1315.

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



Trichromacy



Original Color

18.8530, 0.1936, 0.1315

Protanomaly

18.0897, 0.1749, 0.1367

Tritanomaly

17.7025, 0.2098, 0.2152

Monochromacy



Original Color

18.8530, 0.1936, 0.1315

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3214, 0.2537, 0.2300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8530, 0.1936, 0.1315 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(100, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 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(100, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.8530, 0.1936, 0.1315 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(100, 99, 255) }
```

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

```
.border{ border-color:rgb(100, 99, 255) }
```

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

Here you see how a box with a 4 pixel rgb(100, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 18.8530, 0.1936, 0.1315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 255) }
```

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

```
.background{ background-color: rgb(100, 99,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor