

Converting Colors

$Y_{xy}(18.4239, 0.1930, 0.1310)$

Have a look what the booklet for
Yxy(18.4239, 0.1930, 0.1310)
contains.

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Color

Yxy(18.4239, 0.1930, 0.1310)

Conversions

Conversions Part 1

Format	Color
Hex	6262FD
RGB	98, 98, 253
RGB Percent	38%, 38%, 99%
CMY	0.6153, 0.6158, 0.0078
CMYK	0.61, 0.61, 0.00, 0.01
HSL	240°, 98%, 69%
HSV	240°, 61%, 99%
XYZ	27.1436, 18.4239, 95.0729
YIQ	115.6700, -49.7550, 48.2050

Conversions

Conversions Part 2

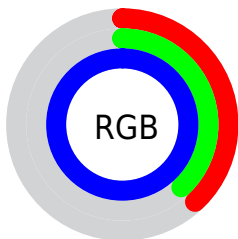
Format	Color
R_{YB}	98, 98, 253
Decimal	6447869
CIE _{Lab}	50.01, 44.76, -77.36
CIE _{LCh}	50, 89.370, 300.053
Yxy	18.4239, 0.1930, 0.1310
Android (android.graphics.Color)	4284637949 (0xFF6262FD)
YUV	115.6700, 67.7037, -15.4966
Hunter-Lab	42.9231, 37.7641, -101.2789

Details

The Yxy color **18.4239, 0.1930, 0.1310** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **92.0110, 0.3990, 0.4718**, and the grayscale version is **17.1634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3963, 0.2435, 0.2029**, and **6.3078, 0.1585, 0.0906** is the 20% darker color. If you saturate the color by 10%, you get **13.2235, 0.1751, 0.1014**, and if you desaturate by 10%, it is **25.5649, 0.2137, 0.1652**.

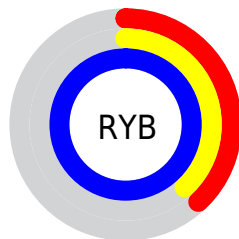
Distribution



Red (38%)

Green (38%)

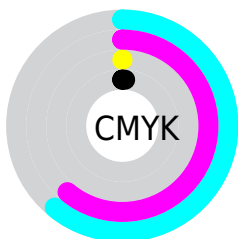
Blue (99%)



Red (38%)

Yellow (38%)

Blue (99%)

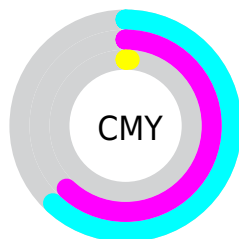


Cyan (61%)

Magenta (61%)

Yellow (0%)

Black (1%)



Cyan (62%)


Magenta (62%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4239, 0.1930, 0.1310 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 18.4239, 0.1930, 0.1310 by changing the saturation by 10% instead.

 18.4239, 0.1930,
0.1310


 18.4239, 0.1930,
0.1310


243.2496, 0.2575,
0.2233


 11.2548, 0.1770,
0.1118


 40.7583, 0.2167,
0.1620


 6.2385, 0.1571,
0.0898


 56.6924, 0.2256,
0.1744

 2.9906, 0.1322,
0.0651


 76.3169, 0.2331,
0.1853

 1.1268, 0.1016,
0.0390

 100.0162, 0.2395,
0.1948

 0.0007, 0.0664,
0.0000

128.1748, 0.2450,
0.2032

 0.0000, 0.0044,
0.0000

161.1769, 0.2497,

 0.0000, 0.0000,

0.2107

0.0000

199.4071, 0.2539,
0.2174

■ 18.4239, 0.1930,
0.1310

■ 18.4239, 0.1930,
0.1310

■ 13.2235, 0.1751,
0.1014

■ 25.5649, 0.2137,
0.1652

■ 9.7724, 0.1616,
0.0791

■ 34.8104, 0.2354,
0.2011

■ 7.8428, 0.1534,
0.0655

■ 46.3087, 0.2568,
0.2365

■ 7.0946, 0.1500,
0.0600

■ 60.1942, 0.2768,
0.2696

■ 76.5907, 0.2949,
0.2995

95.6137, 0.3108,
0.3259

99.8733, 0.3139,
0.3309

Harmonies

Analogous

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



18.4239, 0.1168, 0.1227



18.4239, 0.1930, 0.1310



18.4239, 0.3320, 0.1697

Triad

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



18.4239, 0.1930, 0.1310



18.4239, 0.5874, 0.3993



18.4239, 0.1279, 0.4170

Complementary

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



18.4239, 0.1930, 0.1310



92.0110, 0.3990, 0.4718

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.



18.4239, 0.2274, 0.6207



18.4239, 0.1930, 0.1310



18.4239, 0.4871, 0.5129

Square

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



18.4239, 0.1930, 0.1310



18.4239, 0.6114, 0.3126



18.4239, 0.3550, 0.6241



18.4239, 0.0851, 0.2319

Rectangle

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



18.4239, 0.1930, 0.1310



18.4239, 0.4513, 0.2115



18.4239, 0.3550, 0.6241



18.4239, 0.1553, 0.4960

Sweetspot

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



18.4244, 0.1930, 0.1310



66.4451, 0.2829, 0.2797



79.9534, 0.2381, 0.3288



13.2339, 0.2775, 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.



18.4244, 0.1930, 0.1310



12.3254, 0.1709, 0.0945



24.9942, 0.2484, 0.1557



17.3785, 0.2978, 0.3044



3.7736, 0.1500, 0.0600



0.3676, 0.1501, 0.0600

Inverse Universe

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



36.7022, 0.3195, 0.1873



32.4022, 0.3203, 0.1695



80.3179, 0.3454, 0.5033



18.3002, 0.3138, 0.3056



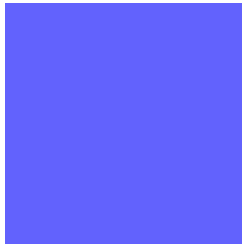
14.8749, 0.3211, 0.1543



1.4484, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 18.4239, 0.1930, 0.1310 looks on a white background.

Color Contrast Check

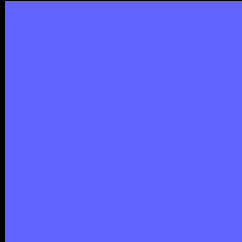
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4239, 0.1930, 0.1310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

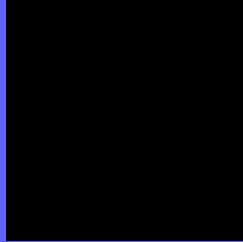
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4239, 0.1930, 0.1310

Background



This preview shows how black text looks on a background with the Yxy color 18.4239, 0.1930, 0.1310.



This preview shows how white text looks on a background with the Yxy color 18.4239, 0.1930, 0.1310.

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

18.4239, 0.1930, 0.1310

Protanopia

18.4454, 0.1737, 0.1454

Deuteranopia

18.2288, 0.1847, 0.1847



Tritanopia

18.3301, 0.2287, 0.3076

Trichromacy



Original Color

18.4239, 0.1930, 0.1310

Protanomaly

17.7540, 0.1749, 0.1367

Deuteranomaly

17.5671, 0.1818, 0.1590

Tritanomaly

17.3172, 0.2093, 0.2157

Monochromacy



Original Color

18.4239, 0.1930, 0.1310

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9417, 0.2523, 0.2291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4239, 0.1930, 0.1310 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(98, 98, 253)` looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 253)  
}
```

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(98, 98, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 253) }
```

Border

The CSS property to change the border of an element to Yxy 18.4239, 0.1930, 0.1310 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(98, 98, 253) }
```

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

```
.border{ border-color:rgb(98, 98, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 98, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 253);  
box-shadow:4px 4px 4px 4px rgb(98, 98,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4239, 0.1930, 0.1310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 253) }
```

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

```
.background{ background-color: rgb(98, 98,  
253) }
```

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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