

# Converting Colors

$Y_{xy}(19.2392, 0.1896, 0.1392)$

Have a look what the booklet for  
Yxy(19.2392, 0.1896, 0.1392)  
contains.

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# Color

**Yxy(19.1415, 0.1895, 0.1387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	556AFA
RGB	85, 106, 250
RGB Percent	33%, 42%, 98%
CMY	0.6664, 0.5843, 0.0198
CMYK	0.66, 0.58, 0.00, 0.02
HSL	232°, 94%, 66%
HSV	232°, 66%, 98%
XYZ	26.1522, 19.1415, 92.7128
YIQ	116.1370, -58.7400, 40.3320

# Conversions

## Conversions Part 2

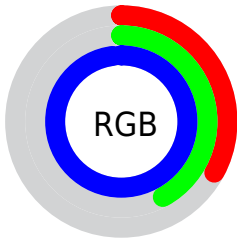
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 104, 250
Decimal	5597946
CIE Lab	50.85, 37.05, -74.30
CIE LCh	51, 83.027, 296.503
Yxy	19.1415, 0.1895, 0.1387
Android (android.graphics.Color)	4283788026 (0xFF556AFA)
YUV	116.1370, 65.9945, -27.3071
Hunter-Lab	43.7510, 30.1344, -95.0158

# Details

The Yxy color **19.1415, 0.1895, 0.1387** 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 **77.0106, 0.4163, 0.4642**, and the grayscale version is **17.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9133, 0.2376, 0.2101**, and **6.9337, 0.1614, 0.1010** is the 20% darker color. If you saturate the color by 10%, you get **14.2309, 0.1735, 0.1107**, and if you desaturate by 10%, it is **25.6100, 0.2083, 0.1700**.

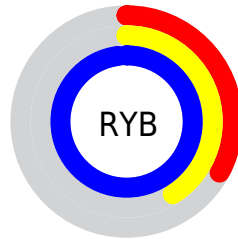
# Distribution



Red (33%)

Green (42%)

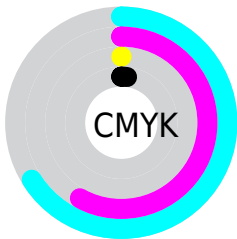
Blue (98%)



Red (33%)

Yellow (41%)

Blue (98%)

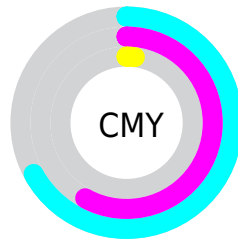


Cyan (66%)

Magenta (58%)

Yellow (0%)

Black (2%)



Cyan (67%)

Magenta (58%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1415, 0.1895, 0.1387 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 19.1415, 0.1895, 0.1387 by changing the saturation by 10% instead.



■ 19.1415, 0.1895,  
0.1387

■ 19.1415, 0.1895,  
0.1387

247.2288, 0.2552,  
0.2288

■ 11.7726, 0.1733,  
0.1195

■ 41.9731, 0.2135,  
0.1693

■ 6.5890, 0.1533,  
0.0973

■ 58.2045, 0.2226,  
0.1814

■ 3.2064, 0.1283,  
0.0719

■ 78.1589, 0.2302,  
0.1920

■ 1.2404, 0.0975,  
0.0446

■ 102.2206, 0.2367,  
0.2013

■ 0.0944, 0.0622,  
0.0059

130.7740, 0.2423,  
0.2094

■ 0.0000, 0.0000,  
0.0000

164.2036, 0.2472,

0.2166

202.8938, 0.2514,  
0.2230

■ 19.1415, 0.1895,  
0.1387

■ 19.1415, 0.1895,  
0.1387

■ 14.2309, 0.1735,  
0.1107

■ 25.6100, 0.2083,  
0.1700

■ 10.7424, 0.1615,  
0.0882

■ 33.7533, 0.2285,  
0.2024

■ 8.5183, 0.1541,  
0.0723

■ 43.6786, 0.2489,  
0.2342

■ 7.9181, 0.1522,  
0.0679

■ 55.4838, 0.2685,  
0.2642

■ 69.2594, 0.2869,  
0.2915

■ 85.0903, 0.3036,  
0.3159

■ 99.6787, 0.3156,  
0.3338

# Harmonies

## Analogous

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



19.1415, 0.1213, 0.1346



19.1415, 0.1895, 0.1387



19.1415, 0.3134, 0.1728

# Triad

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



19.1415, 0.1895, 0.1387



19.1415, 0.5805, 0.3923



19.1415, 0.1497, 0.4357

# Complementary

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



19.1415, 0.1895, 0.1387



77.0106, 0.4163, 0.4642

# 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.



19.1415, 0.2518, 0.6043



19.1415, 0.1895, 0.1387



19.1415, 0.4960, 0.4953

# Square

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



19.1415, 0.1895, 0.1387



19.1415, 0.5853, 0.3094



19.1415, 0.3749, 0.5960



19.1415, 0.0996, 0.2563



# Rectangle

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



19.1415, 0.1895, 0.1387



19.1415, 0.4216, 0.2114



19.1415, 0.3749, 0.5960



19.1415, 0.1789, 0.5047

# Sweetspot

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



19.1420, 0.1895, 0.1387



66.3868, 0.2796, 0.2808



75.8703, 0.2437, 0.3561



13.3472, 0.2744, 0.2731



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.



19.1420, 0.1895, 0.1387



13.6036, 0.1693, 0.1030



19.4726, 0.2238, 0.1350



16.9982, 0.2979, 0.3076



4.3130, 0.1526, 0.0695



0.5078, 0.1571, 0.0856



# Inverse Universe

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



27.8614, 0.5043, 0.3104



24.4231, 0.5621, 0.3123



79.8750, 0.3607, 0.5061



17.2611, 0.3274, 0.3260



10.8463, 0.6242, 0.3212

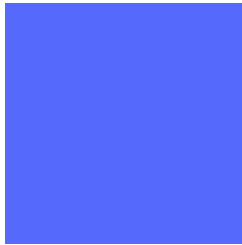


1.0155, 0.5980, 0.3068



# Previews

## White Background



This preview shows how the Yxy color 19.1415, 0.1895, 0.1387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

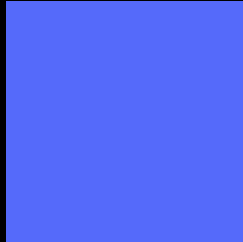
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.1415, 0.1895, 0.1387 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 19.1415, 0.1895, 0.1387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.1415, 0.1895, 0.1387.



This preview shows how white text looks on a background with the Yxy color 19.1415, 0.1895, 0.1387.

# 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

19.1415, 0.1895, 0.1387

### Protanopia

19.1446, 0.1737, 0.1454

### Deuteranopia

18.9700, 0.1842, 0.1830



## Tritanopia

19.0638, 0.2188, 0.3076

# Trichromacy



## Original Color

19.1415, 0.1895, 0.1387

## Protanomaly

18.5950, 0.1752, 0.1408

## Deuteranomaly

18.5049, 0.1818, 0.1629

## Tritanomaly

18.1255, 0.1993, 0.2214

# Monochromacy



## Original Color

19.1415, 0.1895, 0.1387

## Achromatopsia

17.4647, 0.3127, 0.3290

## Achromatomaly

17.3082, 0.2499, 0.2349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.1415, 0.1895, 0.1387 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(85, 106, 250)` looks like.

```
.text, #text, p{  
    color:rgb(85, 106, 250)  
}
```

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(85, 106, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 106, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 19.1415, 0.1895, 0.1387 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(85, 106, 250) }
```

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

```
.border{ border-color:rgb(85, 106, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 106, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 106, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 106, 250);  
box-shadow:4px 4px 4px 4px rgb(85, 106,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.1415, 0.1895, 0.1387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 106, 250) }
```

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

```
.background{ background-color: rgb(85, 106,  
250) }
```

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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