

Converting Colors

$Yxy(19.8716, 0.1890, 0.1482)$

Have a look what the booklet for
Yxy(19.8716, 0.1890, 0.1482)
contains.

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Color

Yxy(19.9393, 0.1890, 0.1486)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 4C71F5 |
| RGB | 76, 113, 245 |
| RGB Percent | 30%, 44%, 96% |
| CMY | 0.7022, 0.5568, 0.0393 |
| CMYK | 0.69, 0.54, 0.00, 0.04 |
| HSL | 227°, 89%, 63% |
| HSV | 227°, 69%, 96% |
| XYZ | 25.3602, 19.9393, 88.8815 |
| YIQ | 116.9850, -64.4240, 33.2080 |

Conversions

Conversions Part 2

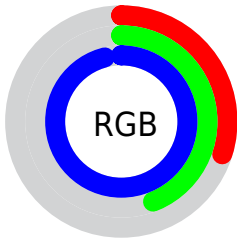
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 76, 106, 245 |
| Decimal | 5009909 |
| CIE Lab | 51.77, 29.78, -70.07 |
| CIE LCh | 52, 76.141, 293.028 |
| Yxy | 19.9393, 0.1890, 0.1486 |
| Android (android.graphics.Color) | 4283199989 (0xFF4C71F5) |
| YUV | 116.9850, 63.1114, -35.9438 |
| Hunter-Lab | 44.6534, 23.2327, -86.7578 |

Details

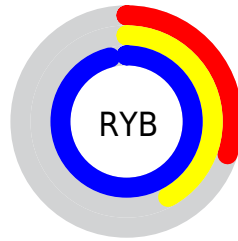
The Yxy color **19.9393, 0.1890, 0.1486** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **64.9922, 0.4311, 0.4557**, and the grayscale version is **17.5974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6106, 0.2340, 0.2173**, and **7.5273, 0.1646, 0.1123** is the 20% darker color. If you saturate the color by 10%, you get **15.2934, 0.1744, 0.1220**, and if you desaturate by 10%, it is **25.8670, 0.2063, 0.1775**.

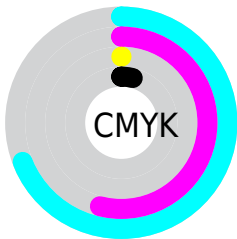
Distribution



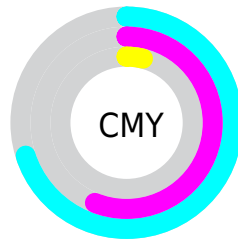
- Red (30%)
- Green (44%)
- Blue (96%)



- Red (30%)
- Yellow (42%)
- Blue (96%)



- Cyan (69%)
- Magenta (54%)
- Yellow (0%)
- Black (4%)





- Cyan (70%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9393, 0.1890, 0.1486 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 19.9393, 0.1890, 0.1486 by changing the saturation by 10% instead.


 19.9393, 0.1890,
0.1486


 19.9393, 0.1890,
0.1486


251.5863, 0.2545,
0.2355


 12.3509, 0.1729,
0.1296


 43.3154, 0.2129,
0.1785


 6.9831, 0.1528,
0.1072


 59.8719, 0.2220,
0.1903

 3.4516, 0.1277,
0.0812

 80.1866, 0.2296,
0.2004

 1.3718, 0.0968,
0.0523

 104.6438, 0.2361,
0.2093

 0.1958, 0.0610,
0.0130

133.6280, 0.2416,
0.2171

 0.0000, 0.0000,
0.0000

167.5236, 0.2465,

0.2239

206.7149, 0.2508,
0.2300

■ 19.9393, 0.1890,
0.1486

■ 19.9393, 0.1890,
0.1486

■ 15.2934, 0.1744,
0.1220

■ 25.8670, 0.2063,
0.1775

■ 11.8247, 0.1634,
0.0995

■ 33.1657, 0.2251,
0.2072

■ 9.4013, 0.1563,
0.0821

■ 41.9181, 0.2445,
0.2362

■ 9.2054, 0.1557,
0.0806

■ 52.1994, 0.2636,
0.2635

■ 64.0797, 0.2818,
0.2885

■ 77.6245, 0.2987,
0.3110

■ 92.8956, 0.3142,
0.3309

■ 99.3713, 0.3185,
0.3386

Harmonies

Analogous

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



19.9393, 0.1283, 0.1487



19.9393, 0.1890, 0.1486



19.9393, 0.2987, 0.1782

Triad

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



19.9393, 0.1890, 0.1486



19.9393, 0.5678, 0.3859



19.9393, 0.1730, 0.4469

Complementary

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



19.9393, 0.1890, 0.1486



64.9922, 0.4311, 0.4557

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.



19.9393, 0.2748, 0.5826



19.9393, 0.1890, 0.1486



19.9393, 0.4990, 0.4781

Square

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



19.9393, 0.1890, 0.1486



19.9393, 0.5554, 0.3066



19.9393, 0.3915, 0.5688



19.9393, 0.1169, 0.2802

Rectangle

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



19.9393, 0.1890, 0.1486



19.9393, 0.3952, 0.2133



19.9393, 0.3915, 0.5688



19.9393, 0.2030, 0.5050

Sweetspot

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



19.9398, 0.1890, 0.1486



67.3875, 0.2782, 0.2836



71.2603, 0.2493, 0.3803



13.6364, 0.2732, 0.2768



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.



19.9398, 0.1890, 0.1486



15.0160, 0.1694, 0.1120



15.8178, 0.2061, 0.1210



16.5160, 0.2979, 0.3100



5.1260, 0.1564, 0.0829



0.5966, 0.1625, 0.1051

Inverse Universe

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



25.7619, 0.4950, 0.2951



23.7477, 0.5522, 0.2984



78.0794, 0.3733, 0.5048



16.5420, 0.3259, 0.3238



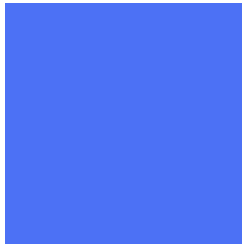
10.6168, 0.6023, 0.3091



0.9479, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 19.9393, 0.1890, 0.1486 looks on a white background.

Color Contrast Check

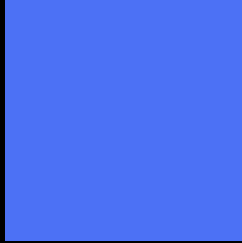
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9393, 0.1890, 0.1486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

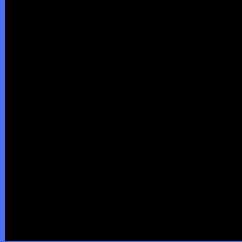
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9393, 0.1890, 0.1486

Background



This preview shows how black text looks on a background with the Yxy color 19.9393, 0.1890, 0.1486.



This preview shows how white text looks on a background with the Yxy color 19.9393, 0.1890, 0.1486.

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

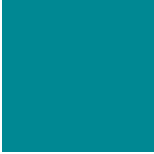
19.9393, 0.1890, 0.1486

Protanopia

20.0153, 0.1745, 0.1451

Deuteranopia

19.7292, 0.1837, 0.1813



Tritanopia

19.7149, 0.2183, 0.3059

Trichromacy



Original Color

19.9393, 0.1890, 0.1486

Protanomaly

19.7237, 0.1773, 0.1450

Deuteranomaly

19.5231, 0.1824, 0.1670

Tritanomaly

19.1041, 0.2007, 0.2289

Monochromacy



Original Color

19.9393, 0.1890, 0.1486

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9959, 0.2488, 0.2430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9393, 0.1890, 0.1486 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(76, 113, 245)` looks like.

```
.text, #text, p{  
    color:rgb(76, 113, 245)  
}
```

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(76, 113, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 113, 245) }
```

Border

The CSS property to change the border of an element to Yxy 19.9393, 0.1890, 0.1486 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(76, 113, 245) }
```

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

```
.border{ border-color:rgb(76, 113, 245) }
```

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

Here you see how a box with a 4 pixel rgb(76, 113, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 113, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 113, 245);  
box-shadow:4px 4px 4px 4px rgb(76, 113,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9393, 0.1890, 0.1486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 113, 245) }
```

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

```
.background{ background-color: rgb(76, 113,  
245) }
```

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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