

Converting Colors

$Y_{xy}(19.3910, 0.1745, 0.1480)$

Have a look what the booklet for
Yxy(19.3910, 0.1745, 0.1480)
contains.

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Color

Yxy(19.3216, 0.1744, 0.1474)

Conversions

Conversions Part 1

Format	Color
Hex	0275F5
RGB	2, 117, 245
RGB Percent	1%, 46%, 96%
CMY	0.9928, 0.5412, 0.0393
CMYK	0.99, 0.52, 0.00, 0.04
HSL	212°, 99%, 48%
HSV	212°, 99%, 96%
XYZ	22.8608, 19.3216, 88.9003
YIQ	97.2070, -109.6280, 15.4280

Conversions

Conversions Part 2

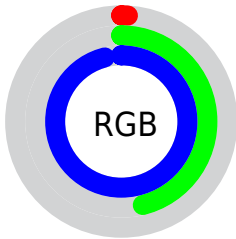
Format	Color
R _Y B	2, 80, 245
Decimal	161269
CIE Lab	51.06, 21.89, -71.31
CIE LCh	51, 74.591, 287.066
Yxy	19.3216, 0.1744, 0.1474
Android (android.graphics.Color)	4278351349 (0xFF0275F5)
YUV	97.2070, 72.8619, -83.4965
Hunter-Lab	43.9563, 15.9108, -89.1427

Details

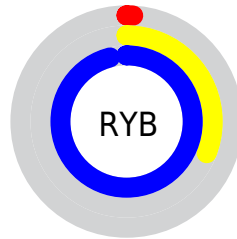
The Yxy color **19.3216, 0.1744, 0.1474** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **35.3394, 0.5340, 0.4136**, and the grayscale version is **11.8304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5403, 0.2174, 0.2177**, and **8.0112, 0.1662, 0.1181** is the 20% darker color. If you saturate the color by 10%, you get **19.0852, 0.1739, 0.1461**, and if you desaturate by 10%, it is **22.7492, 0.1815, 0.1659**.

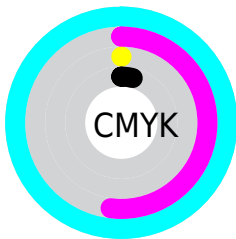
Distribution



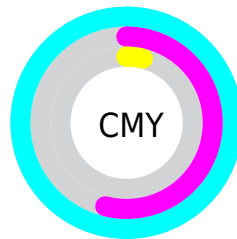
- Red (1%)
- Green (46%)
- Blue (96%)



- Red (1%)
- Yellow (31%)
- Blue (96%)



- Cyan (99%)
- Magenta (52%)
- Yellow (0%)
- Black (4%)





- Cyan (99%)
- Magenta (54%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3216, 0.1744, 0.1474 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 19.3216, 0.1744, 0.1474 by changing the saturation by 10% instead.


 19.3216, 0.1744,
0.1474


 19.3216, 0.1744,
0.1474


248.2185, 0.2466,
0.2358


 11.9029, 0.1571,
0.1280


 42.2768, 0.2004,
0.1779


 6.6776, 0.1359,
0.1051


 58.5821, 0.2103,
0.1899


 3.2613, 0.1099,
0.0787

 78.6184, 0.2187,
0.2003

 1.2696, 0.0789,
0.0495

 102.7701, 0.2259,
0.2093

 0.1175, 0.0440,
0.0080

 131.4215, 0.2322,
0.2172

 0.0000, 0.0000,
0.0000

164.9571, 0.2376,

0.2241

203.7613, 0.2423,
0.2303

■ 19.3216, 0.1744,
0.1474

■ 19.3216, 0.1744,
0.1474

■ 19.0852, 0.1739,
0.1461

■ 22.7492, 0.1815,
0.1659

■ 26.8696, 0.1910,
0.1858

■ 31.7693, 0.2030,
0.2065

■ 37.5090, 0.2170,
0.2272

■ 44.1413, 0.2325,
0.2475

■ 51.7134, 0.2489,
0.2669

■ 60.2685, 0.2656,
0.2850

■ 69.8469, 0.2822,
0.3016

■ 80.4860, 0.2984,
0.3165

Harmonies

Analogous

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



19.3216, 0.1223, 0.1539



19.3216, 0.1744, 0.1474



19.3216, 0.2733, 0.1711

Triad

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



19.3216, 0.1744, 0.1474



19.3216, 0.5712, 0.3697



19.3216, 0.1916, 0.4806

Complementary

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



19.3216, 0.1744, 0.1474



35.3394, 0.5340, 0.4136

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.



19.3216, 0.2985, 0.5886



19.3216, 0.1744, 0.1474



19.3216, 0.5159, 0.4586

Square

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



19.3216, 0.1744, 0.1474



19.3216, 0.5382, 0.2922



19.3216, 0.4142, 0.5519



19.3216, 0.1255, 0.3088

Rectangle

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



19.3216, 0.1744, 0.1474



19.3216, 0.3651, 0.2026



19.3216, 0.4142, 0.5519



19.3216, 0.2242, 0.5325

Sweetspot

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



19.3221, 0.1744, 0.1474



65.2056, 0.2642, 0.2836



66.8538, 0.2714, 0.4967



13.0887, 0.2571, 0.2760



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.



19.3221, 0.1744, 0.1474



20.8347, 0.1738, 0.1457



6.6699, 0.1506, 0.0606



17.2210, 0.2980, 0.3162



10.5556, 0.1747, 0.1490



1.1319, 0.1812, 0.1723

Inverse Universe

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



20.7342, 0.5092, 0.2582



22.6344, 0.5116, 0.2592



83.9907, 0.4163, 0.5074



16.6132, 0.3219, 0.3178



11.1650, 0.5073, 0.2568



1.0019, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 19.3216, 0.1744, 0.1474 looks on a white background.

Color Contrast Check

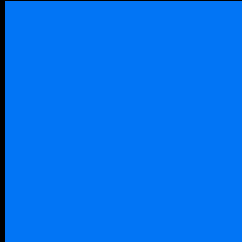
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3216, 0.1744, 0.1474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

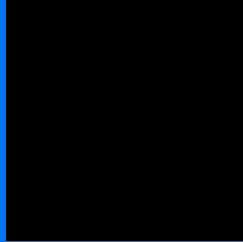
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

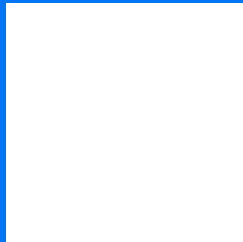
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3216, 0.1744, 0.1474

Background



This preview shows how black text looks on a background with the Yxy color 19.3216, 0.1744, 0.1474.



This preview shows how white text looks on a background with the Yxy color 19.3216, 0.1744, 0.1474.

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

19.3281, 0.1744, 0.1474

Protanopia

19.2693, 0.1768, 0.1478

Deuteranopia

19.2703, 0.1844, 0.1836



Tritanopia

19.0334, 0.2194, 0.3097

Trichromacy



Original Color

19.3281, 0.1744, 0.1474

Protanomaly

19.1510, 0.1755, 0.1473

Deuteranomaly

19.1174, 0.1802, 0.1686

Tritanomaly

18.7401, 0.1980, 0.2323

Monochromacy



Original Color

19.3281, 0.1744, 0.1474

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.1591, 0.2203, 0.2315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3216, 0.1744, 0.1474 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(2, 117, 245)` looks like.

```
.text, #text, p{  
    color:rgb(2, 117, 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(2, 117, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 117, 245) }
```

Border

The CSS property to change the border of an element to Yxy 19.3216, 0.1744, 0.1474 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(2, 117, 245) }
```

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

```
.border{ border-color:rgb(2, 117, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 117, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 117, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 117, 245);  
box-shadow:4px 4px 4px 4px rgb(2, 117,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3216, 0.1744, 0.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 117, 245) }
```

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

```
.background{ background-color: rgb(2, 117,  
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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