

Converting Colors

$Y_{xy}(17.4195, 0.1856, 0.1381)$

Have a look what the booklet for
Yxy(17.4195, 0.1856, 0.1381)
contains.

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Color

Yxy(17.4291, 0.1855, 0.1381)

Conversions

Conversions Part 1

Format	Color
Hex	4867F1
RGB	72, 103, 241
RGB Percent	28%, 40%, 95%
CMY	0.7170, 0.5962, 0.0548
CMYK	0.70, 0.57, 0.00, 0.05
HSL	229°, 86%, 61%
HSV	229°, 70%, 95%
XYZ	23.4113, 17.4291, 85.3660
YIQ	109.4630, -62.7740, 36.3460

Conversions

Conversions Part 2

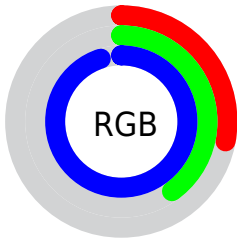
Format	Color
R_{YB}	72, 98, 241
Decimal	4745201
CIE _{Lab}	48.80, 34.13, -72.70
CIE _{LCh}	49, 80.314, 295.148
Yxy	17.4291, 0.1855, 0.1381
Android (android.graphics.Color)	4282935281 (0xFF4867F1)
YUV	109.4630, 64.8477, -32.8551
Hunter-Lab	41.7482, 27.0388, -92.0115

Details

The Yxy color **17.4291, 0.1855, 0.1381** 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 **65.3811, 0.4279, 0.4620**, and the grayscale version is **15.2662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8202, 0.2294, 0.2041**, and **6.3869, 0.1617, 0.1021** is the 20% darker color. If you saturate the color by 10%, you get **13.2080, 0.1711, 0.1118**, and if you desaturate by 10%, it is **22.9378, 0.2029, 0.1675**.

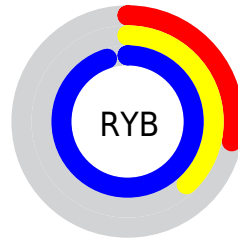
Distribution



Red (28%)

Green (40%)

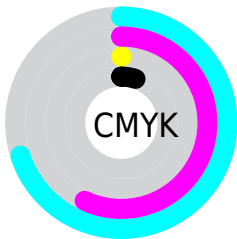
Blue (95%)



Red (28%)

Yellow (38%)

Blue (95%)

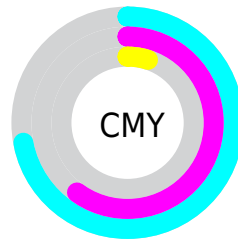


Cyan (70%)

Magenta (57%)

Yellow (0%)

Black (5%)



Cyan (72%)

Magenta (60%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4291, 0.1855, 0.1381 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 17.4291, 0.1855, 0.1381 by changing the saturation by 10% instead.

■ 17.4291, 0.1855,
0.1381

■ 17.4291, 0.1855,
0.1381

237.6332, 0.2540,
0.2300

■ 10.5409, 0.1685,
0.1182

■ 39.0621, 0.2107,
0.1696

■ 5.7590, 0.1473,
0.0951

■ 54.5757, 0.2201,
0.1820

■ 2.6991, 0.1209,
0.0688

■ 73.7332, 0.2281,
0.1928

■ 0.9767, 0.0886,
0.0406

■ 96.9190, 0.2348,
0.2022

■ 0.0000, 0.0520,
0.0000

124.5175, 0.2406,
0.2105

■ 0.0000, 0.0000,
0.0000

156.9131, 0.2457,

0.2178

194.4902, 0.2501,
0.2243

■ 17.4291, 0.1855,
0.1381

■ 17.4291, 0.1855,
0.1381

■ 13.2080, 0.1711,
0.1118

■ 22.9378, 0.2029,
0.1675

■ 10.1621, 0.1606,
0.0904

■ 29.8303, 0.2220,
0.1982

■ 8.1501, 0.1541,
0.0749

■ 38.1944, 0.2418,
0.2286

■ 48.1106, 0.2613,
0.2574

■ 59.6530, 0.2798,
0.2839

■ 72.8911, 0.2970,
0.3078

■ 87.8902, 0.3126,
0.3289

■ 99.1322, 0.3208,
0.3424

Harmonies

Analogous

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



17.4291, 0.1195, 0.1354



17.4291, 0.1855, 0.1381



17.4291, 0.3067, 0.1709

Triad

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



17.4291, 0.1855, 0.1381



17.4291, 0.5825, 0.3883



17.4291, 0.1536, 0.4450

Complementary

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



17.4291, 0.1855, 0.1381



65.3811, 0.4279, 0.4620

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.



17.4291, 0.2574, 0.6073



17.4291, 0.1855, 0.1381



17.4291, 0.5012, 0.4907

Square

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



17.4291, 0.1855, 0.1381



17.4291, 0.5823, 0.3061



17.4291, 0.3807, 0.5922



17.4291, 0.1010, 0.2627

Rectangle

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



17.4291, 0.1855, 0.1381



17.4291, 0.4139, 0.2087



17.4291, 0.3807, 0.5922



17.4291, 0.1836, 0.5131

Sweetspot

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



17.4295, 0.1855, 0.1381



66.3958, 0.2780, 0.2814



68.9642, 0.2453, 0.3695



13.4045, 0.2730, 0.2742



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.



17.4295, 0.1855, 0.1381



13.4046, 0.1662, 0.1021



15.4172, 0.2107, 0.1214



15.6949, 0.2980, 0.3091



4.5586, 0.1547, 0.0769



0.5086, 0.1608, 0.0989

Inverse Universe

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



24.3399, 0.5084, 0.3014



23.4092, 0.5670, 0.3053



74.0282, 0.3675, 0.5108



15.8059, 0.3265, 0.3247



10.2535, 0.6119, 0.3144



0.8661, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 17.4291, 0.1855, 0.1381 looks on a white background.

Color Contrast Check

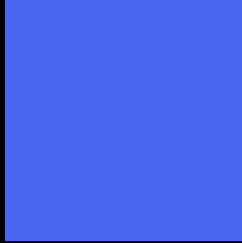
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.4291, 0.1855, 0.1381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

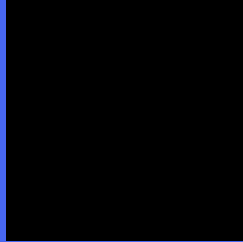
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4291, 0.1855, 0.1381

Background



This preview shows how black text looks on a background with the Yxy color 17.4291, 0.1855, 0.1381.



This preview shows how white text looks on a background with the Yxy color 17.4291, 0.1855, 0.1381.

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

17.4291, 0.1855, 0.1381

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.2687, 0.1847, 0.1848



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.4291, 0.1855, 0.1381

Protanomaly

17.1178, 0.1748, 0.1410

Deuteranomaly

17.0396, 0.1816, 0.1641

Tritanomaly

16.5084, 0.1988, 0.2224

Monochromacy



Original Color

17.4291, 0.1855, 0.1381

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.4365, 0.2463, 0.2352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4291, 0.1855, 0.1381 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(72, 103, 241)` looks like.

```
.text, #text, p{  
    color:rgb(72, 103, 241)  
}
```

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(72, 103, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 103, 241) }
```

Border

The CSS property to change the border of an element to Yxy 17.4291, 0.1855, 0.1381 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(72, 103, 241) }
```

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

```
.border{ border-color:rgb(72, 103, 241) }
```

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

Here you see how a box with a 4 pixel rgb(72, 103, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 103, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 103, 241);  
box-shadow:4px 4px 4px 4px rgb(72, 103,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4291, 0.1855, 0.1381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 103, 241) }
```

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

```
.background{ background-color: rgb(72, 103,  
241) }
```

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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