

Converting Colors

$Y_{xy}(15.2371, 0.1850, 0.1372)$

Have a look what the booklet for
Yxy(15.2371, 0.1850, 0.1372)
contains.

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Color

Yxy(15.1605, 0.1849, 0.1367)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 4360E4 |
| RGB | 67, 96, 228 |
| RGB Percent | 26%, 38%, 89% |
| CMY | 0.7368, 0.6236, 0.1059 |
| CMYK | 0.71, 0.58, 0.00, 0.11 |
| HSL | 229°, 75%, 58% |
| HSV | 229°, 71%, 89% |
| XYZ | 20.5060, 15.1605, 75.2369 |
| YIQ | 102.3770, -59.6560, 34.9040 |

Conversions

Conversions Part 2

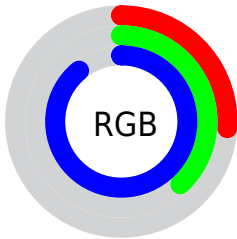
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 67, 92, 228 |
| Decimal | 4415716 |
| CIE Lab | 45.85, 33.27, -70.17 |
| CIE LCh | 46, 77.661, 295.369 |
| Yxy | 15.1605, 0.1849, 0.1367 |
| Android (android.graphics.Color) | 4282605796 (0xFF4360E4) |
| YUV | 102.3770, 61.9321, -31.0256 |
| Hunter-Lab | 38.9365, 25.8688, -87.3104 |

Details

The Yxy color **15.1605, 0.1849, 0.1367** 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 **57.8093, 0.4279, 0.4627**, and the grayscale version is **13.2445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8461, 0.2245, 0.1933**, and **5.3079, 0.1612, 0.1003** is the 20% darker color. If you saturate the color by 10%, you get **11.4894, 0.1706, 0.1106**, and if you desaturate by 10%, it is **19.9618, 0.2022, 0.1660**.

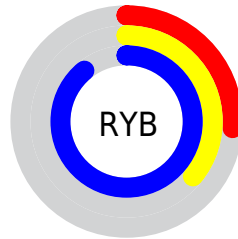
Distribution



Red (26%)

Green (38%)

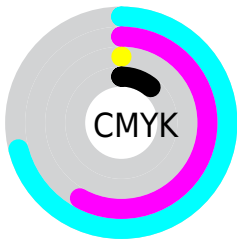
Blue (89%)



Red (26%)

Yellow (36%)

Blue (89%)

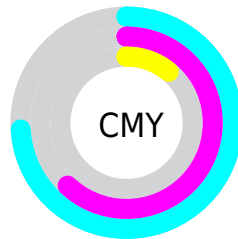


Cyan (71%)

Magenta (58%)

Yellow (0%)

Black (11%)



Cyan (74%)

Magenta (62%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1605, 0.1849, 0.1367 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 15.1605, 0.1849, 0.1367 by changing the saturation by 10% instead.

■ 15.1605, 0.1849,
0.1367

■ 15.1605, 0.1849,
0.1367

224.3356, 0.2551,
0.2313

■ 8.9321, 0.1670,
0.1158

■ 35.1345, 0.2111,
0.1695

■ 4.6969, 0.1444,
0.0915

■ 49.6489, 0.2208,
0.1824

■ 2.0706, 0.1162,
0.0637

■ 67.6941, 0.2290,
0.1935

■ 0.6480, 0.0816,
0.0336

■ 89.6544, 0.2358,
0.2031

■ 0.0000, 0.0358,
0.0000

115.9144, 0.2417,
0.2115

■ 0.0000, 0.0000,
0.0000

146.8583, 0.2468,

0.2189

182.8706, 0.2512,
0.2255

■ 15.1605, 0.1849,
0.1367

■ 15.1605, 0.1849,
0.1367

■ 11.4894, 0.1706,
0.1106

■ 19.9618, 0.2022,
0.1660

■ 8.8492, 0.1603,
0.0894

■ 25.9782, 0.2213,
0.1967

■ 7.1794, 0.1541,
0.0748

■ 33.2875, 0.2410,
0.2271

■ 41.9605, 0.2605,
0.2560

■ 52.0627, 0.2790,
0.2827

■ 63.6555, 0.2962,
0.3066

■ 76.7964, 0.3119,
0.3279

■ 91.5400, 0.3260,
0.3465

■ 98.3809, 0.3286,
0.3552

Harmonies

Analogous

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



15.1605, 0.1183, 0.1337



15.1605, 0.1849, 0.1367



15.1605, 0.3075, 0.1698

Triad

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



15.1605, 0.1849, 0.1367



15.1605, 0.5844, 0.3883



15.1605, 0.1511, 0.4449

Complementary

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



15.1605, 0.1849, 0.1367



57.8093, 0.4279, 0.4627

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.



15.1605, 0.2552, 0.6109



15.1605, 0.1849, 0.1367



15.1605, 0.5028, 0.4934

Square

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



15.1605, 0.1849, 0.1367



15.1605, 0.5858, 0.3058



15.1605, 0.3797, 0.5959



15.1605, 0.0990, 0.2605

Rectangle

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



15.1605, 0.1849, 0.1367



15.1605, 0.4163, 0.2079



15.1605, 0.3797, 0.5959



15.1605, 0.1811, 0.5145

Sweetspot

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



15.1609, 0.1849, 0.1367



66.3158, 0.2780, 0.2812



60.7796, 0.2452, 0.3696



13.3858, 0.2730, 0.2740



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.



15.1609, 0.1849, 0.1367



12.9624, 0.1650, 0.0994



13.4867, 0.2103, 0.1207



14.3031, 0.2980, 0.3091



4.2684, 0.1547, 0.0767



0.4376, 0.1615, 0.1014

Inverse Universe

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



21.3661, 0.5104, 0.3019



23.1999, 0.5716, 0.3064



65.2413, 0.3676, 0.5113



14.4100, 0.3264, 0.3248



9.6286, 0.6122, 0.3146



0.7239, 0.5737, 0.2934

Previews

White Background



This preview shows how the Yxy color 15.1605, 0.1849, 0.1367 looks on a white background.

Color Contrast Check

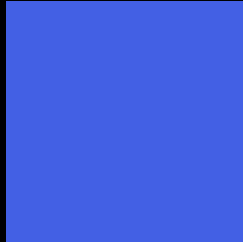
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1605, 0.1849, 0.1367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

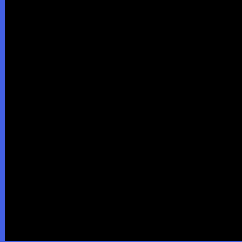
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1605, 0.1849, 0.1367

Background



This preview shows how black text looks on a background with the Yxy color 15.1605, 0.1849, 0.1367.



This preview shows how white text looks on a background with the Yxy color 15.1605, 0.1849, 0.1367.

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

15.1605, 0.1849, 0.1367

Protanopia

15.1211, 0.1739, 0.1461

Deuteranopia

15.0866, 0.1851, 0.1865



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.1605, 0.1849, 0.1367

Protanomaly

14.8834, 0.1747, 0.1407

Deuteranomaly

14.8619, 0.1817, 0.1644

Tritanomaly

14.2434, 0.1988, 0.2218

Monochromacy



Original Color

15.1605, 0.1849, 0.1367

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.3763, 0.2449, 0.2336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1605, 0.1849, 0.1367 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(67, 96, 228)` looks like.

```
.text, #text, p{  
    color:rgb(67, 96, 228)  
}
```

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(67, 96, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 96, 228) }
```

Border

The CSS property to change the border of an element to Yxy 15.1605, 0.1849, 0.1367 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(67, 96, 228) }
```

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

```
.border{ border-color:rgb(67, 96, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 96, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 96, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 96, 228); box-shadow:4px 4px 4px 4px rgb(67, 96, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1605, 0.1849, 0.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 96, 228) }
```

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

```
.background{ background-color: rgb(67, 96,  
228) }
```

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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