

Converting Colors

$Y_{xy}(13.5767, 0.1781, 0.1178)$

Have a look what the booklet for
Yxy(13.5767, 0.1781, 0.1178)
contains.

Yxy(13.4868, 0.1779, 0.1175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.4868, 0.1779, 0.1175)

Conversions

Conversions Part 1

Format	Color
Hex	4054EC
RGB	64, 84, 236
RGB Percent	25%, 33%, 93%
CMY	0.7493, 0.6705, 0.0746
CMYK	0.73, 0.64, 0.00, 0.07
HSL	233°, 82%, 59%
HSV	233°, 73%, 93%
XYZ	20.4196, 13.4868, 80.8749
YIQ	95.3480, -60.7120, 43.0320

Conversions

Conversions Part 2

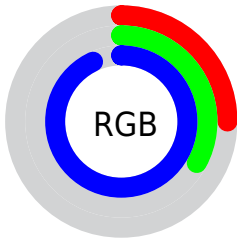
Format	Color
R _Y B	64, 82, 236
Decimal	4216044
CIE Lab	43.49, 43.05, -78.56
CIE LCh	43, 89.582, 298.721
Yxy	13.4868, 0.1779, 0.1175
Android (android.graphics.Color)	4282406124 (0xFF4054EC)
YUV	95.3480, 69.3414, -27.4922
Hunter-Lab	36.7244, 34.9824, -104.8621

Details

The Yxy color **13.4868, 0.1779, 0.1175** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **67.2581, 0.4230, 0.4738**, and the grayscale version is **11.3706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3385, 0.2219, 0.1788**, and **4.7057, 0.1564, 0.0831** is the 20% darker color. If you saturate the color by 10%, you get **10.0881, 0.1646, 0.0932**, and if you desaturate by 10%, it is **18.1828, 0.1949, 0.1467**.

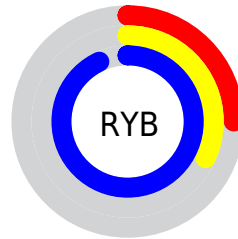
Distribution



Red (25%)

Green (33%)

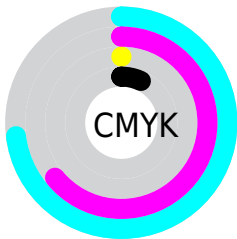
Blue (93%)



Red (25%)

Yellow (32%)

Blue (93%)

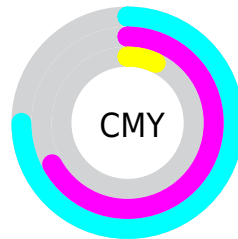


Cyan (73%)

Magenta (64%)

Yellow (0%)

Black (7%)



Cyan (75%)


Magenta (67%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4868, 0.1779, 0.1175 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 13.4868, 0.1779, 0.1175 by changing the saturation by 10% instead.


 13.4868, 0.1779,
0.1175


 13.4868, 0.1779,
0.1175


214.0144, 0.2524,
0.2187

 7.7646, 0.1592,
0.0965


 32.1756, 0.2055,
0.1516


 3.9447, 0.1360,
0.0727


 45.9110, 0.2159,
0.1653


 1.6427, 0.1074,
0.0471

 63.0863, 0.2245,
0.1773

 0.3861, 0.0737,
0.0183

 84.0858, 0.2318,
0.1877

 0.0000, 0.0305,
0.0000

 109.2940, 0.2381,
0.1969

 0.0000, 0.0000,
0.0000

139.0952, 0.2435,

0.2050

173.8739, 0.2482,
0.2122

■ 13.4868, 0.1779,
0.1175

■ 13.4868, 0.1779,
0.1175

■ 10.0881, 0.1646,
0.0932

■ 18.1828, 0.1949,
0.1467

■ 7.8520, 0.1557,
0.0755

■ 24.2902, 0.2143,
0.1787

■ 6.8652, 0.1520,
0.0671

■ 31.9115, 0.2348,
0.2113

■ 41.1393, 0.2551,
0.2429

■ 52.0586, 0.2744,
0.2724

64.7487, 0.2922,
0.2990

79.2836, 0.3084,
0.3227

95.7331, 0.3227,
0.3434

98.8355, 0.3238,
0.3473

Harmonies

Analogous

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



13.4868, 0.1022, 0.1101



13.4868, 0.1779, 0.1175



13.4868, 0.3240, 0.1556

Triad

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



13.4868, 0.1779, 0.1175



13.4868, 0.6105, 0.3895



13.4868, 0.1145, 0.4370

Complementary

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



13.4868, 0.1779, 0.1175



67.2581, 0.4230, 0.4738

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.



13.4868, 0.2178, 0.6641



13.4868, 0.1779, 0.1175



13.4868, 0.4931, 0.5069

Square

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



13.4868, 0.1779, 0.1175



13.4868, 0.6360, 0.3001



13.4868, 0.3539, 0.6461



13.4868, 0.0715, 0.2256

Rectangle

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



13.4868, 0.1779, 0.1175



13.4868, 0.4557, 0.1981



13.4868, 0.3539, 0.6461



13.4868, 0.1428, 0.5289

Sweetspot

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



13.4871, 0.1779, 0.1175



63.2274, 0.2759, 0.2747



65.8785, 0.2406, 0.3593



12.7205, 0.2708, 0.2670



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.



13.4871, 0.1779, 0.1175



10.6798, 0.1600, 0.0844



14.2275, 0.2131, 0.1179



14.8322, 0.2980, 0.3075



3.8799, 0.1524, 0.0686



0.3979, 0.1574, 0.0866

Inverse Universe

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



22.1300, 0.5369, 0.3125



22.6724, 0.5953, 0.3170



69.2266, 0.3618, 0.5204



15.0827, 0.3275, 0.3263



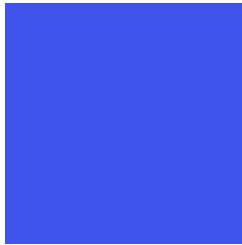
9.8845, 0.6255, 0.3220



0.7856, 0.5965, 0.3060

Previews

White Background



This preview shows how the Yxy color 13.4868, 0.1779, 0.1175 looks on a white background.

Color Contrast Check

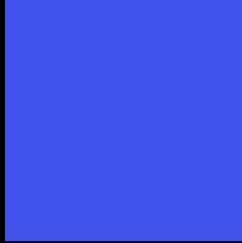
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4868, 0.1779, 0.1175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

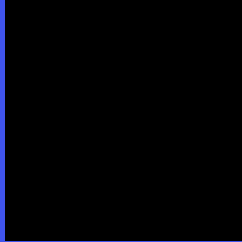
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4868, 0.1779, 0.1175

Background



This preview shows how black text looks on a background with the Yxy color 13.4868, 0.1779, 0.1175.



This preview shows how white text looks on a background with the Yxy color 13.4868, 0.1779, 0.1175.

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

13.4868, 0.1779, 0.1175

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.3175, 0.1859, 0.1892



Tritanopia

13.1907, 0.2192, 0.3090

Trichromacy



Original Color

13.4868, 0.1779, 0.1175

Protanomaly

13.0728, 0.1728, 0.1335

Deuteranomaly

12.8551, 0.1788, 0.1539

Tritanomaly

12.3292, 0.1938, 0.2039

Monochromacy



Original Color

13.4868, 0.1779, 0.1175

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4423, 0.2385, 0.2168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4868, 0.1779, 0.1175 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(64, 84, 236)` looks like.

```
.text, #text, p{  
    color:rgb(64, 84, 236)  
}
```

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(64, 84, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 84, 236) }
```

Border

The CSS property to change the border of an element to Yxy 13.4868, 0.1779, 0.1175 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(64, 84, 236) }
```

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

```
.border{ border-color:rgb(64, 84, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 84, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 84, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 84, 236);  
box-shadow:4px 4px 4px 4px rgb(64, 84,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4868, 0.1779, 0.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 84, 236) }
```

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

```
.background{ background-color: rgb(64, 84,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor