

Converting Colors

$Y_{xy}(11.6710, 0.1693, 0.0974)$

Have a look what the booklet for
Yxy(11.6710, 0.1693, 0.0974)
contains.

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Color

Yxy(11.6896, 0.1694, 0.0978)

Conversions

Conversions Part 1

Format	Color
Hex	3845F5
RGB	56, 69, 245
RGB Percent	22%, 27%, 96%
CMY	0.7798, 0.7296, 0.0392
CMYK	0.77, 0.72, 0.00, 0.04
HSL	236°, 90%, 59%
HSV	236°, 77%, 96%
XYZ	20.2476, 11.6896, 87.5883
YIQ	85.1770, -64.2440, 51.9800

Conversions

Conversions Part 2

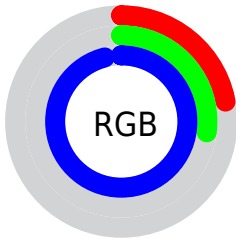
Format	Color
R _Y B	56, 68, 245
Decimal	3687925
CIE Lab	40.72, 54.14, -88.21
CIE LCh	41, 103.504, 301.539
Yxy	11.6896, 0.1694, 0.0978
Android (android.graphics.Color)	4281878005 (0xFF3845F5)
YUV	85.1770, 78.7927, -25.5882
Hunter-Lab	34.1901, 45.8766, -127.9565

Details

The Yxy color **11.6896, 0.1694, 0.0978** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **77.5263, 0.4206, 0.4846**, and the grayscale version is **8.9703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.3192, 0.2174, 0.1611**, and **4.2006, 0.1525, 0.0691** is the 20% darker color. If you saturate the color by 10%, you get **8.8584, 0.1582, 0.0777**, and if you desaturate by 10%, it is **15.9467, 0.1851, 0.1247**.

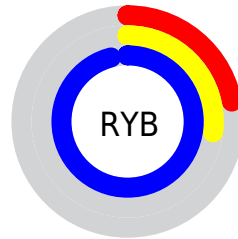
Distribution



Red (22%)

Green (27%)

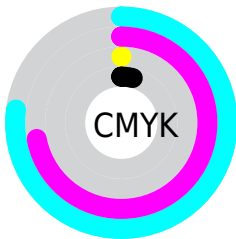
Blue (96%)



Red (22%)

Yellow (27%)

Blue (96%)

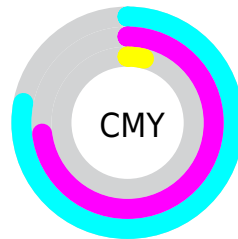


Cyan (77%)

Magenta (72%)

Yellow (0%)

Black (4%)



Cyan (78%)

Magenta (73%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6896, 0.1694, 0.0978 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 11.6896, 0.1694, 0.0978 by changing the saturation by 10% instead.

■ 11.6896, 0.1694,
0.0978

■ 11.6896, 0.1694,
0.0978

202.3394, 0.2488,
0.2046

■ 6.5327, 0.1499,
0.0772

■ 28.9285, 0.1986,
0.1326

■ 3.1716, 0.1261,
0.0549

■ 41.7793, 0.2096,
0.1470

■ 1.2220, 0.0975,
0.0323

■ 57.9635, 0.2189,
0.1597

■ 0.0795, 0.0652,
0.0034

■ 77.8655, 0.2267,
0.1709

■ 0.0000, 0.0249,
0.0000

■ 101.8697, 0.2335,
0.1808

■ 0.0000, 0.0000,
0.0000

130.3604, 0.2393,

0.1896

163.7222, 0.2444,
0.1975

■ 11.6896, 0.1694,
0.0978

■ 11.6896, 0.1694,
0.0978

■ 8.8584, 0.1582,
0.0777

■ 15.9467, 0.1851,
0.1247

■ 7.2638, 0.1520,
0.0654

■ 21.7846, 0.2040,
0.1564

■ 6.9831, 0.1509,
0.0632

■ 29.3385, 0.2247,
0.1902

■ 38.7290, 0.2457,
0.2241

■ 50.0658, 0.2660,
0.2563

■ 63.4500, 0.2848,
0.2858

■ 78.9757, 0.3018,
0.3122

■ 96.7310, 0.3169,
0.3354

■ 99.3736, 0.3185,
0.3386

Harmonies

Analogous

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



11.6896, 0.0857, 0.0871



11.6896, 0.1694, 0.0978



11.6896, 0.3428, 0.1396

Triad

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



11.6896, 0.1694, 0.0978



11.6896, 0.6226, 0.3774



11.6896, 0.0771, 0.4225

Complementary

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



11.6896, 0.1694, 0.0978



77.5263, 0.4206, 0.4846

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.



11.6896, 0.1719, 0.7311



11.6896, 0.1694, 0.0978



11.6896, 0.4787, 0.5213

Square

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



11.6896, 0.1694, 0.0978



11.6896, 0.6859, 0.2864



11.6896, 0.3096, 0.6904



11.6896, 0.0466, 0.1876

Rectangle

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



11.6896, 0.1694, 0.0978



11.6896, 0.5031, 0.1853



11.6896, 0.3096, 0.6904



11.6896, 0.1013, 0.5429

Sweetspot

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



11.6898, 0.1694, 0.0978



60.4648, 0.2738, 0.2686



71.8323, 0.2354, 0.3488



11.8556, 0.2668, 0.2576



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.



11.6898, 0.1694, 0.0978



8.4882, 0.1539, 0.0692



14.5731, 0.2141, 0.1119



16.1072, 0.2979, 0.3062



3.8302, 0.1512, 0.0642



0.3986, 0.1541, 0.0746

Inverse Universe

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



22.6866, 0.5677, 0.3208



21.8030, 0.6224, 0.3251



73.7432, 0.3555, 0.5332



16.5008, 0.3283, 0.3274



10.4860, 0.6329, 0.3260



0.9279, 0.6158, 0.3166

Previews

White Background



This preview shows how the Yxy color 11.6896, 0.1694, 0.0978 looks on a white background.

Color Contrast Check

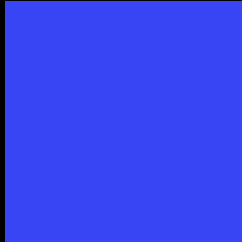
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6896, 0.1694, 0.0978 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 11.6896, 0.1694, 0.0978

Background



This preview shows how black text looks on a background with the Yxy color 11.6896, 0.1694, 0.0978.

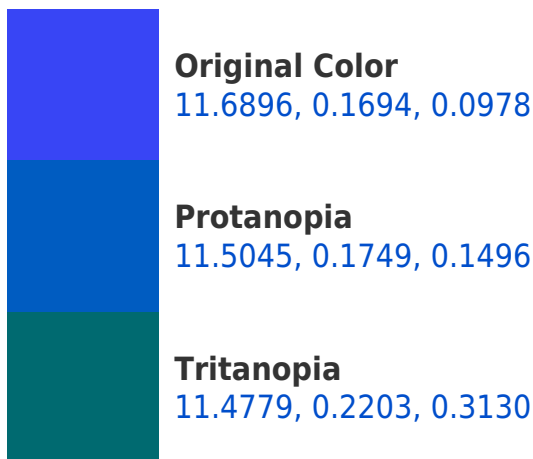


This preview shows how white text looks on a background with the Yxy color 11.6896, 0.1694, 0.0978.

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



Trichromacy



Original Color

11.6896, 0.1694, 0.0978

Protanomaly

11.2428, 0.1700, 0.1246

Tritanomaly

10.5155, 0.1890, 0.1885

Monochromacy



Original Color

11.6896, 0.1694, 0.0978

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.0710, 0.2272, 0.1934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6896, 0.1694, 0.0978 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(56, 69, 245)` looks like.

```
.text, #text, p{  
    color:rgb(56, 69, 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(56, 69, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 69, 245) }
```

Border

The CSS property to change the border of an element to Yxy 11.6896, 0.1694, 0.0978 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(56, 69, 245) }
```

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

```
.border{ border-color:rgb(56, 69, 245) }
```

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

Here you see how a box with a 4 pixel rgb(56, 69, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 69, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 69, 245);  
box-shadow:4px 4px 4px 4px rgb(56, 69,  
245) }
```

Background

The CSS property to change the background color of an element to Yxy 11.6896, 0.1694, 0.0978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 69, 245) }
```

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

```
.background{ background-color: rgb(56, 69,  
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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