

Converting Colors

$Y_{xy}(14.7756, 0.1813, 0.1223)$

Have a look what the booklet for
Yxy(14.7756, 0.1813, 0.1223)
contains.

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Color

Yxy(14.7756, 0.1813, 0.1223)

Conversions

Conversions Part 1

Format	Color
Hex	4759F0
RGB	71, 89, 240
RGB Percent	28%, 35%, 94%
CMY	0.7212, 0.6511, 0.0588
CMYK	0.70, 0.63, 0.00, 0.06
HSL	234°, 85%, 61%
HSV	234°, 70%, 94%
XYZ	21.9036, 14.7756, 84.1351
YIQ	100.8320, -59.1990, 43.1450

Conversions

Conversions Part 2

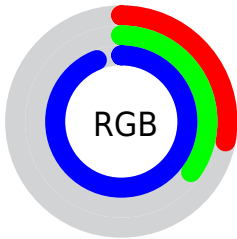
Format	Color
R_{YB}	71, 87, 240
Decimal	4676080
CIE _{Lab}	45.33, 42.21, -77.79
CIE _{LCh}	45, 88.510, 298.485
Yxy	14.7756, 0.1813, 0.1223
Android (android.graphics.Color)	4282866160 (0xFF4759F0)
YUV	100.8320, 68.6098, -26.1627
Hunter-Lab	38.4390, 34.4460, -102.8663

Details

The Yxy color **14.7756, 0.1813, 0.1223** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **71.2857, 0.4190, 0.4723**, and the grayscale version is **12.8048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1742, 0.2261, 0.1859**, and **5.2203, 0.1575, 0.0870** is the 20% darker color. If you saturate the color by 10%, you get **10.9745, 0.1669, 0.0967**, and if you desaturate by 10%, it is **19.9761, 0.1991, 0.1525**.

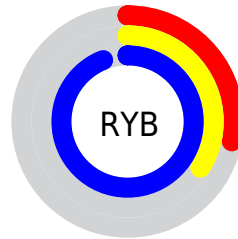
Distribution



Red (28%)

Green (35%)

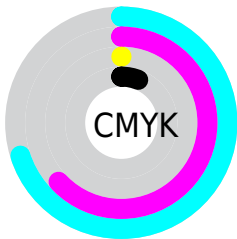
Blue (94%)



Red (28%)

Yellow (34%)

Blue (94%)

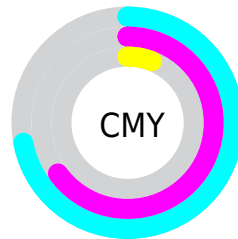


Cyan (70%)

Magenta (63%)

Yellow (0%)

Black (6%)



Cyan (72%)


Magenta (65%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7756, 0.1813, 0.1223 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 14.7756, 0.1813, 0.1223 by changing the saturation by 10% instead.


 14.7756, 0.1813,
0.1223

 14.7756, 0.1813,
0.1223


222.0039, 0.2533,
0.2208


 8.6620, 0.1633,
0.1017


 34.4590, 0.2079,
0.1555


 4.5214, 0.1409,
0.0783


 48.7977, 0.2179,
0.1689


 1.9693, 0.1133,
0.0527

 66.6469, 0.2262,
0.1805

 0.5895, 0.0802,
0.0258

 88.3909, 0.2333,
0.1906

 0.0000, 0.0412,
0.0000

 114.4143, 0.2394,
0.1996

 0.0000, 0.0000,
0.0000

145.1013, 0.2447,

0.2075

180.8364, 0.2493,
0.2145

■ 14.7756, 0.1813,
0.1223

■ 14.7756, 0.1813,
0.1223

■ 10.9745, 0.1669,
0.0967

■ 19.9761, 0.1991,
0.1525

■ 8.4334, 0.1570,
0.0776

■ 26.6948, 0.2190,
0.1851

■ 7.0043, 0.1517,
0.0661

■ 35.0389, 0.2397,
0.2180

■ 45.1054, 0.2599,
0.2495

■ 56.9838, 0.2790,
0.2787

■ 70.7574, 0.2965,
0.3050

■ 86.5042, 0.3122,
0.3282

■ 99.0713, 0.3214,
0.3434

Harmonies

Analogous

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



14.7756, 0.1067, 0.1153



14.7756, 0.1813, 0.1223



14.7756, 0.3228, 0.1599

Triad

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



14.7756, 0.1813, 0.1223



14.7756, 0.6036, 0.3914



14.7756, 0.1218, 0.4352

Complementary

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



14.7756, 0.1813, 0.1223



71.2857, 0.4190, 0.4723

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.



14.7756, 0.2251, 0.6492



14.7756, 0.1813, 0.1223



14.7756, 0.4939, 0.5061

Square

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



14.7756, 0.1813, 0.1223



14.7756, 0.6251, 0.3033



14.7756, 0.3602, 0.6387



14.7756, 0.0774, 0.2316

Rectangle

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



14.7756, 0.1813, 0.1223



14.7756, 0.4491, 0.2017



14.7756, 0.3602, 0.6387



14.7756, 0.1504, 0.5215

Sweetspot

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



14.7759, 0.1813, 0.1223



64.3838, 0.2777, 0.2768



68.8463, 0.2405, 0.3543



12.9356, 0.2725, 0.2689



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.



14.7759, 0.1813, 0.1223



11.2957, 0.1625, 0.0884



16.0311, 0.2193, 0.1251



15.4980, 0.2980, 0.3072



3.9247, 0.1521, 0.0674



0.4154, 0.1565, 0.0833

Inverse Universe

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



23.7649, 0.5284, 0.3140



23.1963, 0.5872, 0.3172



71.9196, 0.3595, 0.5167



15.7860, 0.3277, 0.3265



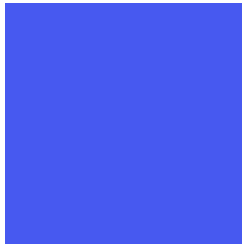
10.1895, 0.6275, 0.3230



0.8567, 0.6017, 0.3089

Previews

White Background



This preview shows how the Yxy color 14.7756, 0.1813, 0.1223 looks on a white background.

Color Contrast Check

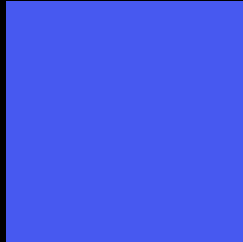
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7756, 0.1813, 0.1223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

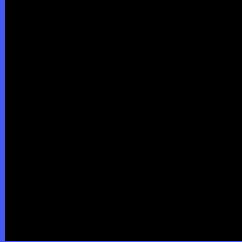
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7756, 0.1813, 0.1223

Background



This preview shows how black text looks on a background with the Yxy color 14.7756, 0.1813, 0.1223.



This preview shows how white text looks on a background with the Yxy color 14.7756, 0.1813, 0.1223.

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

14.7756, 0.1813, 0.1223

Protanopia

14.7102, 0.1743, 0.1476

Deuteranopia

14.4824, 0.1854, 0.1873



Tritanopia

14.4892, 0.2187, 0.3074

Trichromacy



Original Color

14.7756, 0.1813, 0.1223

Protanomaly

14.3912, 0.1737, 0.1360

Deuteranomaly

14.1786, 0.1798, 0.1562

Tritanomaly

13.5622, 0.1953, 0.2077

Monochromacy



Original Color

14.7756, 0.1813, 0.1223

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9900, 0.2416, 0.2216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7756, 0.1813, 0.1223 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(71, 89, 240)` looks like.

```
.text, #text, p{  
  color:rgb(71, 89, 240)  
}
```

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(71, 89, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 89, 240) }
```

Border

The CSS property to change the border of an element to Yxy 14.7756, 0.1813, 0.1223 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(71, 89, 240) }
```

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

```
.border{ border-color:rgb(71, 89, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 89, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 89, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 89, 240);  
box-shadow:4px 4px 4px 4px rgb(71, 89,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7756, 0.1813, 0.1223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 89, 240) }
```

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

```
.background{ background-color: rgb(71, 89,  
240) }
```

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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