

Converting Colors

$Y_{xy}(16.6160, 0.1979, 0.1320)$

Have a look what the booklet for
Yxy(16.6160, 0.1979, 0.1320)
contains.

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Color

Yxy(16.5401, 0.1976, 0.1316)

Conversions

Conversions Part 1

Format	Color
Hex	655BF0
RGB	101, 91, 240
RGB Percent	40%, 36%, 94%
CMY	0.6038, 0.6431, 0.0589
CMYK	0.58, 0.62, 0.00, 0.06
HSL	244°, 83%, 65%
HSV	244°, 62%, 94%
XYZ	24.8353, 16.5401, 84.3093
YIQ	110.9760, -41.8690, 48.4590

Conversions

Conversions Part 2

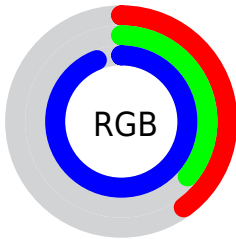
Format	Color
R_{YB}	101, 91, 240
Decimal	6642672
CIE _{Lab}	47.68, 45.19, -73.87
CIE _{LCh}	48, 86.597, 301.457
Yxy	16.5401, 0.1976, 0.1316
Android (android.graphics.Color)	4284832752 (0xFF655BF0)
YUV	110.9760, 63.6088, -8.7490
Hunter-Lab	40.6695, 37.8313, -94.4415

Details

The Yxy color **16.5401, 0.1976, 0.1316** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **79.8837, 0.3923, 0.4772**, and the grayscale version is **15.7121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3525, 0.2431, 0.1950**, and **5.3489, 0.1606, 0.0886** is the 20% darker color. If you saturate the color by 10%, you get **11.9516, 0.1796, 0.1026**, and if you desaturate by 10%, it is **22.7925, 0.2178, 0.1650**.

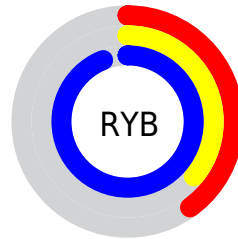
Distribution



Red (40%)

Green (36%)

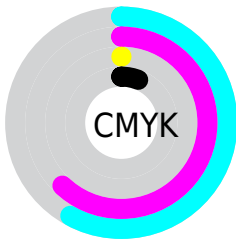
Blue (94%)



Red (40%)

Yellow (36%)

Blue (94%)

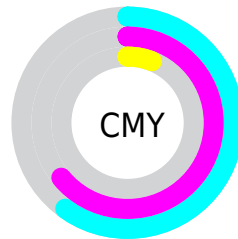


Cyan (58%)

Magenta (62%)

Yellow (0%)

Black (6%)



Cyan (60%)


Magenta (64%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5401, 0.1976, 0.1316 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 16.5401, 0.1976, 0.1316 by changing the saturation by 10% instead.


 16.5401, 0.1976,
0.1316


 16.5401, 0.1976,
0.1316


232.5080, 0.2612,
0.2254


 9.9071, 0.1813,
0.1117


 37.5333, 0.2214,
0.1634


 5.3374, 0.1607,
0.0887


 52.6624, 0.2302,
0.1761

 2.4466, 0.1346,
0.0628

 71.3923, 0.2375,
0.1872

 0.8497, 0.1019,
0.0357

 94.1074, 0.2438,
0.1968

 0.0000, 0.0638,
0.0000

121.1921, 0.2491,
0.2053

 0.0000, 0.0000,
0.0000

153.0309, 0.2537,

0.2128

190.0080, 0.2577,
0.2195

■ 16.5401, 0.1976,
0.1316

■ 16.5401, 0.1976,
0.1316

■ 11.9516, 0.1796,
0.1026

■ 22.7925, 0.2178,
0.1650

■ 8.8664, 0.1654,
0.0804

■ 30.8466, 0.2387,
0.2002

■ 7.0941, 0.1558,
0.0665

■ 40.8273, 0.2590,
0.2350

■ 6.4017, 0.1516,
0.0609

■ 52.8479, 0.2779,
0.2676

■ 67.0131, 0.2949,
0.2974

■ 83.4201, 0.3099,
0.3239

■ 99.0704, 0.3215,
0.3434

Harmonies

Analogous

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



16.5401, 0.1187, 0.1219



16.5401, 0.1976, 0.1316



16.5401, 0.3401, 0.1718

Triad

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



16.5401, 0.1976, 0.1316



16.5401, 0.5854, 0.4042



16.5401, 0.1239, 0.4064

Complementary

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



16.5401, 0.1976, 0.1316



79.8837, 0.3923, 0.4772

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.



16.5401, 0.2213, 0.6164



16.5401, 0.1976, 0.1316



16.5401, 0.4813, 0.5187

Square

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



16.5401, 0.1976, 0.1316



16.5401, 0.6139, 0.3160



16.5401, 0.3486, 0.6292



16.5401, 0.0837, 0.2255

Rectangle

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



16.5401, 0.1976, 0.1316



16.5401, 0.4602, 0.2144



16.5401, 0.3486, 0.6292



16.5401, 0.1503, 0.4857

Sweetspot

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



16.5405, 0.1976, 0.1316



65.3014, 0.2832, 0.2770



65.1373, 0.2348, 0.3163



13.0313, 0.2782, 0.2681



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.



16.5405, 0.1976, 0.1316



12.8134, 0.1762, 0.0971



22.9359, 0.2567, 0.1581



15.2795, 0.2990, 0.3046



3.5246, 0.1521, 0.0612



0.3108, 0.1575, 0.0641

Inverse Universe

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



31.7161, 0.3294, 0.1936



31.6210, 0.3328, 0.1775



70.0906, 0.3389, 0.5089



16.0120, 0.3148, 0.3073



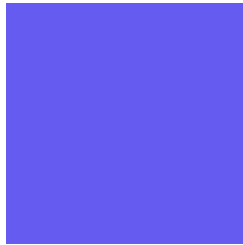
13.0909, 0.3385, 0.1639



1.0945, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 16.5401, 0.1976, 0.1316 looks on a white background.

Color Contrast Check

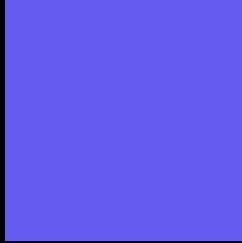
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5401, 0.1976, 0.1316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

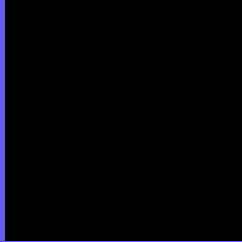
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.5401, 0.1976, 0.1316

Background



This preview shows how black text looks on a background with the Yxy color 16.5401, 0.1976, 0.1316.



This preview shows how white text looks on a background with the Yxy color 16.5401, 0.1976, 0.1316.

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

16.5401, 0.1976, 0.1316

Protanopia

16.4383, 0.1737, 0.1454

Deuteranopia

16.3850, 0.1844, 0.1838



Tritanopia

16.4549, 0.2390, 0.3070

Trichromacy



Original Color

16.5401, 0.1976, 0.1316



Protanomaly

15.8366, 0.1755, 0.1365



Deuteranomaly

15.5564, 0.1819, 0.1567



Tritanomaly

15.7256, 0.2185, 0.2177

Monochromacy



Original Color

16.5401, 0.1976, 0.1316



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.4951, 0.2561, 0.2309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5401, 0.1976, 0.1316 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(101, 91, 240)` looks like.

```
.text, #text, p{  
    color:rgb(101, 91, 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(101, 91, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 91, 240) }
```

Border

The CSS property to change the border of an element to Yxy 16.5401, 0.1976, 0.1316 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(101, 91, 240) }
```

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

```
.border{ border-color:rgb(101, 91, 240) }
```

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

Here you see how a box with a 4 pixel rgb(101, 91, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 91, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 91, 240);  
box-shadow:4px 4px 4px 4px rgb(101, 91,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5401, 0.1976, 0.1316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 91, 240) }
```

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

```
.background{ background-color: rgb(101, 91,  
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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