

Converting Colors

$Y_{xy}(16.7265, 0.2010, 0.1353)$

Have a look what the booklet for
Yxy(16.7265, 0.2010, 0.1353)
contains.

Yxy(16.7118, 0.2009, 0.1352)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7118, 0.2009, 0.1352)

Conversions

Conversions Part 1

Format	Color
Hex	685CED
RGB	104, 92, 237
RGB Percent	41%, 36%, 93%
CMY	0.5918, 0.6394, 0.0705
CMYK	0.56, 0.61, 0.00, 0.07
HSL	245°, 80%, 65%
HSV	245°, 61%, 93%
XYZ	24.8328, 16.7118, 82.0633
YIQ	112.1180, -39.3930, 47.6390

Conversions

Conversions Part 2

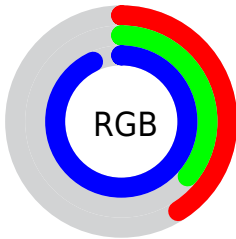
Format	Color
RYB	104, 92, 237
Decimal	6839533
CIELab	47.89, 44.23, -71.85
CIElCh	48, 84.371, 301.620
Yxy	16.7118, 0.2009, 0.1352
Android (android.graphics.Color)	4285029613 (0xFF685CED)
YUV	112.1180, 61.5668, -7.1195
Hunter-Lab	40.8801, 36.8908, -90.4037

Details

The Yxy color **16.7118, 0.2009, 0.1352** 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 **77.3534, 0.3897, 0.4766**, and the grayscale version is **16.0665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8643, 0.2447, 0.1966**, and **5.4333, 0.1646, 0.0923** is the 20% darker color. If you saturate the color by 10%, you get **12.0921, 0.1826, 0.1057**, and if you desaturate by 10%, it is **22.9512, 0.2211, 0.1687**.

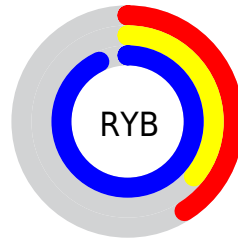
Distribution



Red (41%)

Green (36%)

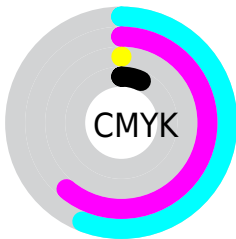
Blue (93%)



Red (41%)

Yellow (36%)

Blue (93%)

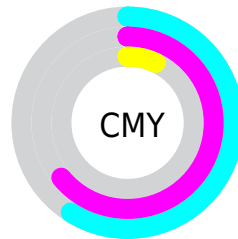


Cyan (56%)

Magenta (61%)

Yellow (0%)

Black (7%)



Cyan (59%)

Magenta (64%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7118, 0.2009, 0.1352 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 16.7118, 0.2009, 0.1352 by changing the saturation by 10% instead.

■ 16.7118, 0.2009,
0.1352

■ 16.7118, 0.2009,
0.1352

233.5061, 0.2629,
0.2279

■ 10.0292, 0.1849,
0.1153

■ 37.8296, 0.2242,
0.1668

■ 5.4183, 0.1645,
0.0922

■ 53.0336, 0.2327,
0.1794

■ 2.4947, 0.1386,
0.0659

■ 71.8469, 0.2399,
0.1903

■ 0.8740, 0.1057,
0.0381

■ 94.6538, 0.2460,
0.1998

■ 0.0000, 0.0669,
0.0000

121.8388, 0.2511,
0.2081

■ 0.0000, 0.0000,
0.0000

153.7862, 0.2556,

0.2155

190.8805, 0.2595,
0.2220

■ 16.7118, 0.2009,
0.1352

■ 16.7118, 0.2009,
0.1352

■ 12.0921, 0.1826,
0.1057

■ 22.9512, 0.2211,
0.1687

■ 8.9401, 0.1678,
0.0828

■ 30.9408, 0.2418,
0.2038

■ 7.0770, 0.1574,
0.0680

■ 40.7994, 0.2617,
0.2382

■ 6.2631, 0.1521,
0.0612

■ 52.6351, 0.2801,
0.2705

■ 66.5475, 0.2966,
0.2999

■ 82.6297, 0.3111,
0.3261

■ 98.8964, 0.3232,
0.3463

Harmonies

Analogous

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



16.7118, 0.1224, 0.1255



16.7118, 0.2009, 0.1352



16.7118, 0.3407, 0.1752

Triad

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



16.7118, 0.2009, 0.1352



16.7118, 0.5800, 0.4058



16.7118, 0.1281, 0.4035

Complementary

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



16.7118, 0.2009, 0.1352



77.3534, 0.3897, 0.4766

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.



16.7118, 0.2244, 0.6059



16.7118, 0.2009, 0.1352



16.7118, 0.4808, 0.5192

Square

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



16.7118, 0.2009, 0.1352



16.7118, 0.6070, 0.3186



16.7118, 0.3498, 0.6223



16.7118, 0.0876, 0.2282

Rectangle

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



16.7118, 0.2009, 0.1352



16.7118, 0.4573, 0.2175



16.7118, 0.3498, 0.6223



16.7118, 0.1543, 0.4796

Sweetspot

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



16.7123, 0.2009, 0.1352



67.0065, 0.2855, 0.2801



62.2103, 0.2348, 0.3134



13.3673, 0.2804, 0.2712



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.



16.7123, 0.2009, 0.1352



13.3614, 0.1792, 0.1003



23.0628, 0.2601, 0.1614



14.6091, 0.2993, 0.3047



3.4409, 0.1527, 0.0615



0.2910, 0.1596, 0.0653

Inverse Universe

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



31.0895, 0.3316, 0.1970



31.7561, 0.3357, 0.1807



68.0751, 0.3372, 0.5073



15.2908, 0.3151, 0.3077



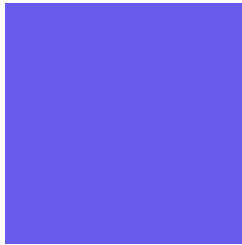
12.5800, 0.3431, 0.1664



0.9943, 0.3396, 0.1645

Previews

White Background



This preview shows how the Yxy color 16.7118, 0.2009, 0.1352 looks on a white background.

Color Contrast Check

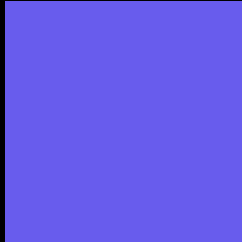
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7118, 0.2009, 0.1352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

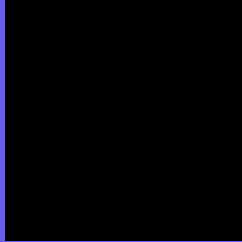
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7118, 0.2009, 0.1352

Background



This preview shows how black text looks on a background with the Yxy color 16.7118, 0.2009, 0.1352.



This preview shows how white text looks on a background with the Yxy color 16.7118, 0.2009, 0.1352.

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

16.7118, 0.2009, 0.1352

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.6609, 0.1846, 0.1845



Tritanopia

16.6750, 0.2440, 0.3073

Trichromacy



Original Color

16.7118, 0.2009, 0.1352



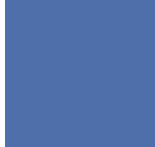
Protanomaly

15.9958, 0.1763, 0.1385



Deuteranomaly

15.7316, 0.1828, 0.1592



Tritanomaly

15.9334, 0.2234, 0.2202

Monochromacy



Original Color

16.7118, 0.2009, 0.1352



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.7887, 0.2594, 0.2347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7118, 0.2009, 0.1352 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(104, 92, 237)` looks like.

```
.text, #text, p{  
  color:rgb(104, 92, 237)  
}
```

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(104, 92, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 92, 237) }
```

Border

The CSS property to change the border of an element to Yxy 16.7118, 0.2009, 0.1352 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(104, 92, 237) }
```

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

```
.border{ border-color:rgb(104, 92, 237) }
```

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

Here you see how a box with a 4 pixel rgb(104, 92, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 92, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 92, 237);  
box-shadow:4px 4px 4px 4px rgb(104, 92,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7118, 0.2009, 0.1352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 92, 237) }
```

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

```
.background{ background-color: rgb(104, 92,  
237) }
```

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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