

Converting Colors

$Y_{xy}(16.8094, 0.2006, 0.1331)$

Have a look what the booklet for
Yxy(16.8094, 0.2006, 0.1331)
contains.

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Color

Yxy(16.8376, 0.2007, 0.1330)

Conversions

Conversions Part 1

Format	Color
Hex	6A5BF0
RGB	106, 91, 240
RGB Percent	42%, 36%, 94%
CMY	0.5845, 0.6431, 0.0588
CMYK	0.56, 0.62, 0.00, 0.06
HSL	246°, 83%, 65%
HSV	246°, 62%, 94%
XYZ	25.4083, 16.8376, 84.3526
YIQ	112.4710, -38.8890, 49.5190

Conversions

Conversions Part 2

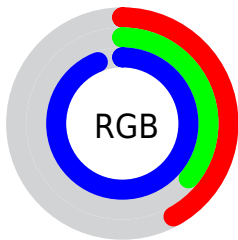
Format	Color
R _{YB}	106, 91, 240
Decimal	6970352
CIE Lab	48.05, 46.00, -73.25
CIE LCh	48, 86.491, 302.127
Yxy	16.8376, 0.2007, 0.1330
Android (android.graphics.Color)	4285160432 (0xFF6A5BF0)
YUV	112.4710, 62.8718, -5.6751
Hunter-Lab	41.0336, 38.7196, -93.1585

Details

The Yxy color **16.8376, 0.2007, 0.1330** 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 **79.0993, 0.3886, 0.4793**, and the grayscale version is **16.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7815, 0.2460, 0.1960**, and **5.5116, 0.1645, 0.0906** is the 20% darker color. If you saturate the color by 10%, you get **12.2092, 0.1826, 0.1041**, and if you desaturate by 10%, it is **23.1115, 0.2207, 0.1662**.

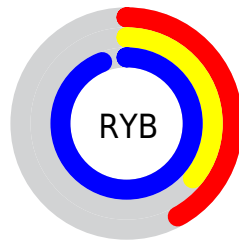
Distribution



Red (42%)

Green (36%)

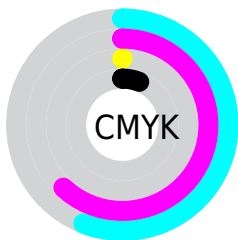
Blue (94%)



Red (42%)

Yellow (36%)

Blue (94%)

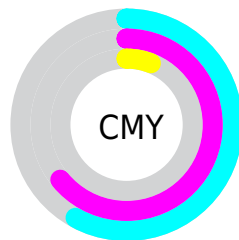


Cyan (56%)

Magenta (62%)

Yellow (0%)

Black (6%)



Cyan (58%)


Magenta (64%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8376, 0.2007, 0.1330 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 16.8376, 0.2007, 0.1330 by changing the saturation by 10% instead.


 16.8376, 0.2007,
0.1330


 16.8376, 0.2007,
0.1330


234.2348, 0.2627,
0.2261


 10.1188, 0.1847,
0.1132


 38.0463, 0.2239,
0.1646


 5.4778, 0.1645,
0.0903


 53.3050, 0.2325,
0.1772

 2.5302, 0.1388,
0.0645

 72.1792, 0.2397,
0.1881

 0.8917, 0.1063,
0.0372

 95.0531, 0.2457,
0.1977

 0.0000, 0.0680,
0.0000

122.3112, 0.2509,
0.2061

 0.0000, 0.0000,
0.0000

154.3379, 0.2554,

0.2136

191.5177, 0.2593,
0.2202

■ 16.8376, 0.2007,
0.1330

■ 16.8376, 0.2007,
0.1330

■ 12.2092, 0.1826,
0.1041

■ 23.1115, 0.2207,
0.1662

■ 9.0694, 0.1680,
0.0818

■ 31.1655, 0.2411,
0.2010

■ 7.2326, 0.1577,
0.0676

■ 41.1218, 0.2609,
0.2354

■ 6.4863, 0.1528,
0.0615

■ 53.0913, 0.2792,
0.2679

■ 67.1765, 0.2956,
0.2975

■ 83.4729, 0.3100,
0.3239

■ 99.0716, 0.3214,
0.3434

Harmonies

Analogous

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



16.8376, 0.1207, 0.1227



16.8376, 0.2007, 0.1330



16.8376, 0.3439, 0.1738

Triad

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



16.8376, 0.2007, 0.1330



16.8376, 0.5825, 0.4067



16.8376, 0.1235, 0.4009

Complementary

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



16.8376, 0.2007, 0.1330



79.0993, 0.3886, 0.4793

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.



16.8376, 0.2196, 0.6110



16.8376, 0.2007, 0.1330



16.8376, 0.4785, 0.5215

Square

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



16.8376, 0.2007, 0.1330



16.8376, 0.6128, 0.3183



16.8376, 0.3460, 0.6289



16.8376, 0.0843, 0.2236

Rectangle

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



16.8376, 0.2007, 0.1330



16.8376, 0.4632, 0.2166



16.8376, 0.3460, 0.6289



16.8376, 0.1494, 0.4793

Sweetspot

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



16.8381, 0.2007, 0.1330



65.5365, 0.2843, 0.2771



62.4249, 0.2333, 0.3099



13.0867, 0.2794, 0.2683



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.



16.8381, 0.2007, 0.1330



13.0925, 0.1791, 0.0986



23.5299, 0.2614, 0.1602



15.3045, 0.2995, 0.3047



3.5764, 0.1534, 0.0619



0.3228, 0.1610, 0.0661

Inverse Universe

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



31.4524, 0.3345, 0.1975



31.2533, 0.3393, 0.1817



69.6214, 0.3356, 0.5108



16.0025, 0.3153, 0.3080



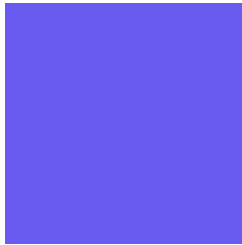
12.8652, 0.3478, 0.1690



1.0781, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 16.8376, 0.2007, 0.1330 looks on a white background.

Color Contrast Check

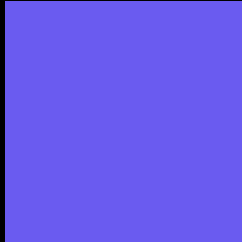
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8376, 0.2007, 0.1330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

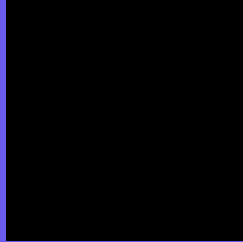
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8376, 0.2007, 0.1330

Background



This preview shows how black text looks on a background with the Yxy color 16.8376, 0.2007, 0.1330.



This preview shows how white text looks on a background with the Yxy color 16.8376, 0.2007, 0.1330.

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

16.8376, 0.2007, 0.1330

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.7078, 0.1843, 0.1834



Tritanopia

16.7433, 0.2455, 0.3074

Trichromacy



Original Color

16.8376, 0.2007, 0.1330



Protanomaly

15.9322, 0.1758, 0.1361



Deuteranomaly

15.8530, 0.1825, 0.1576



Tritanomaly

16.0585, 0.2243, 0.2192

Monochromacy



Original Color

16.8376, 0.2007, 0.1330



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.7188, 0.2584, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8376, 0.2007, 0.1330 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(106, 91, 240)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 91, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 91, 240) }
```

Border

The CSS property to change the border of an element to Yxy 16.8376, 0.2007, 0.1330 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(106, 91, 240) }
```

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

```
.border{ border-color:rgb(106, 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(106, 91, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 91, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 91, 240);  
box-shadow:4px 4px 4px 4px rgb(106, 91,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8376, 0.2007, 0.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 91, 240) }
```

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

```
.background{ background-color: rgb(106, 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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