

Converting Colors

$Y_{xy}(16.6290, 0.1998, 0.1309)$

Have a look what the booklet for
Yxy(16.6290, 0.1998, 0.1309)
contains.

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Color

Yxy(16.7274, 0.2001, 0.1314)

Conversions

Conversions Part 1

Format	Color
Hex	6A5AF1
RGB	106, 90, 241
RGB Percent	42%, 35%, 95%
CMY	0.5844, 0.6470, 0.0549
CMYK	0.56, 0.63, 0.00, 0.05
HSL	246°, 84%, 65%
HSV	246°, 63%, 95%
XYZ	25.4730, 16.7274, 85.1010
YIQ	111.9980, -38.9350, 50.3530

Conversions

Conversions Part 2

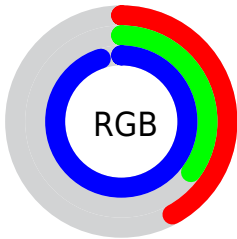
Format	Color
R _Y B	106, 90, 241
Decimal	6970097
CIE Lab	47.91, 46.87, -74.03
CIE LCh	48, 87.621, 302.340
Yxy	16.7274, 0.2001, 0.1314
Android (android.graphics.Color)	4285160177 (0xFF6A5AF1)
YUV	111.9980, 63.5980, -5.2602
Hunter-Lab	40.8991, 39.6007, -94.7384

Details

The Yxy color **16.7274, 0.2001, 0.1314** 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 **79.6611, 0.3885, 0.4808**, and the grayscale version is **16.0213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4852, 0.2459, 0.1949**, and **5.4645, 0.1637, 0.0890** is the 20% darker color. If you saturate the color by 10%, you get **12.1413, 0.1822, 0.1028**, and if you desaturate by 10%, it is **22.9635, 0.2200, 0.1643**.

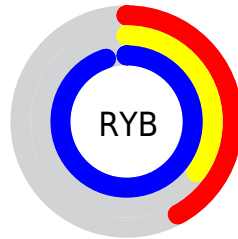
Distribution



Red (42%)

Green (35%)

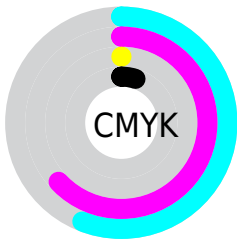
Blue (95%)



Red (42%)

Yellow (35%)

Blue (95%)

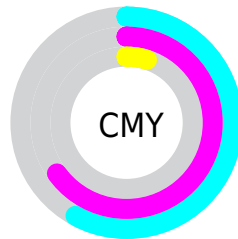


Cyan (56%)

Magenta (63%)

Yellow (0%)

Black (5%)



Cyan (58%)

Magenta (65%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7274, 0.2001, 0.1314 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 16.7274, 0.2001, 0.1314 by changing the saturation by 10% instead.


 16.7274, 0.2001,
0.1314


 16.7274, 0.2001,
0.1314


233.5965, 0.2625,
0.2250


 10.0403, 0.1841,
0.1116


 37.8565, 0.2234,
0.1631

 5.4257, 0.1638,
0.0887


 53.0673, 0.2321,
0.1758

 2.4991, 0.1380,
0.0631

 71.8881, 0.2393,
0.1868

 0.8762, 0.1056,
0.0361

 94.7034, 0.2454,
0.1964

 0.0000, 0.0675,
0.0000

 121.8974, 0.2506,
0.2049

 0.0000, 0.0000,
0.0000

153.8547, 0.2551,

0.2124

190.9596, 0.2590,
0.2190

■ 16.7274, 0.2001,
0.1314

■ 16.7274, 0.2001,
0.1314

■ 12.1413, 0.1822,
0.1028

■ 22.9635, 0.2200,
0.1643

■ 9.0457, 0.1677,
0.0809

■ 30.9860, 0.2404,
0.1991

■ 7.2518, 0.1576,
0.0672

■ 40.9186, 0.2601,
0.2336

■ 6.5631, 0.1530,
0.0616

■ 52.8736, 0.2784,
0.2661

■ 66.9544, 0.2948,
0.2959

■ 83.2576, 0.3092,
0.3225

■ 99.1306, 0.3209,
0.3425

Harmonies

Analogous

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



16.7274, 0.1193, 0.1208



16.7274, 0.2001, 0.1314



16.7274, 0.3453, 0.1725

Triad

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



16.7274, 0.2001, 0.1314



16.7274, 0.5846, 0.4069



16.7274, 0.1207, 0.4000

Complementary

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



16.7274, 0.2001, 0.1314



79.6611, 0.3885, 0.4808

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.



16.7274, 0.2167, 0.6151



16.7274, 0.2001, 0.1314



16.7274, 0.4775, 0.5225

Square

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



16.7274, 0.2001, 0.1314



16.7274, 0.6167, 0.3177



16.7274, 0.3440, 0.6333



16.7274, 0.0821, 0.2210

Rectangle

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



16.7274, 0.2001, 0.1314



16.7274, 0.4665, 0.2157



16.7274, 0.3440, 0.6333



16.7274, 0.1465, 0.4800

Sweetspot

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



16.7279, 0.2001, 0.1314



65.5757, 0.2845, 0.2772



62.8619, 0.2328, 0.3097



13.0960, 0.2796, 0.2684



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.



16.7279, 0.2001, 0.1314



12.7413, 0.1781, 0.0965



23.4417, 0.2607, 0.1588



15.3086, 0.2996, 0.3047



3.5864, 0.1537, 0.0620



0.3247, 0.1616, 0.0664

Inverse Universe

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



31.4538, 0.3356, 0.1972



30.8850, 0.3408, 0.1814



70.1690, 0.3356, 0.5125



16.0010, 0.3154, 0.3081



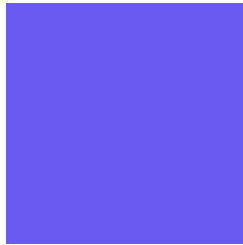
12.8287, 0.3494, 0.1699



1.0754, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 16.7274, 0.2001, 0.1314 looks on a white background.

Color Contrast Check

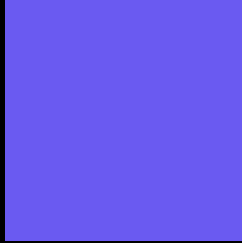
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7274, 0.2001, 0.1314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

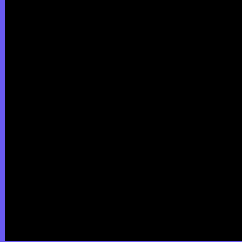
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7274, 0.2001, 0.1314

Background



This preview shows how black text looks on a background with the Yxy color 16.7274, 0.2001, 0.1314.



This preview shows how white text looks on a background with the Yxy color 16.7274, 0.2001, 0.1314.

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

16.7274, 0.2001, 0.1314

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.6609, 0.1846, 0.1845



Tritanopia

16.7088, 0.2447, 0.3073

Trichromacy



Original Color

16.7274, 0.2001, 0.1314

Protanomaly

15.9322, 0.1758, 0.1361

Deuteranomaly

15.8530, 0.1825, 0.1576

Tritanomaly

15.8359, 0.2225, 0.2158

Monochromacy



Original Color

16.7274, 0.2001, 0.1314

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 16.7274, 0.2001, 0.1314 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, 90, 241)` looks like.

```
.text, #text, p{  
    color:rgb(106, 90, 241)  
}
```

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, 90, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 90, 241) }
```

Border

The CSS property to change the border of an element to Yxy 16.7274, 0.2001, 0.1314 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, 90, 241) }
```

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

```
.border{ border-color:rgb(106, 90, 241) }
```

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

Here you see how a box with a 4 pixel rgb(106, 90, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 90, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 90, 241);  
box-shadow:4px 4px 4px 4px rgb(106, 90,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7274, 0.2001, 0.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 90, 241) }
```

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

```
.background{ background-color: rgb(106, 90,  
241) }
```

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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