

Converting Colors

$Y_{xy}(14.3673, 0.2001, 0.1470)$

Have a look what the booklet for
Yxy(14.3673, 0.2001, 0.1470)
contains.

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Color

$Y_{xy}(14.4340, 0.2002, 0.1471)$

Conversions

Conversions Part 1

Format	Color
Hex	575CD4
RGB	87, 92, 212
RGB Percent	34%, 36%, 83%
CMY	0.6587, 0.6393, 0.1686
CMYK	0.59, 0.57, 0.00, 0.17
HSL	238°, 59%, 59%
HSV	238°, 59%, 83%
XYZ	19.6444, 14.4340, 64.0454
YIQ	104.1850, -41.5000, 36.2600

Conversions

Conversions Part 2

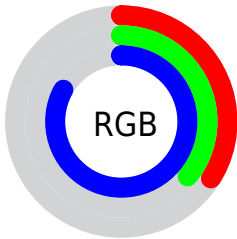
Format	Color
R_{YB}	87, 92, 212
Decimal	5725396
CIE _{Lab}	44.85, 33.34, -62.66
CIE _{LCh}	45, 70.980, 298.017
Yxy	14.4340, 0.2002, 0.1471
Android (android.graphics.Color)	4283915476 (0xFF575CD4)
YUV	104.1850, 53.1528, -15.0712
Hunter-Lab	37.9921, 25.8098, -73.3539

Details

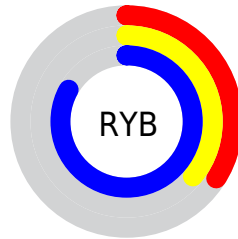
The Yxy color **14.4340, 0.2002, 0.1471** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **59.3406, 0.3990, 0.4624**, and the grayscale version is **13.7604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7690, 0.2320, 0.1912**, and **4.3543, 0.1613, 0.1007** is the 20% darker color. If you saturate the color by 10%, you get **10.4934, 0.1816, 0.1161**, and if you desaturate by 10%, it is **19.6227, 0.2208, 0.1811**.

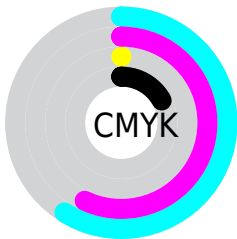
Distribution



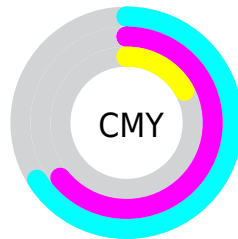
- Red (34%)
- Green (36%)
- Blue (83%)



- Red (34%)
- Yellow (36%)
- Blue (83%)



- Cyan (59%)
- Magenta (57%)
- Yellow (0%)
- Black (17%)





- Cyan (66%)
- Magenta (64%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4340, 0.2002, 0.1471 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 14.4340, 0.2002, 0.1471 by changing the saturation by 10% instead.


 14.4340, 0.2002,
0.1471


 14.4340, 0.2002,
0.1471


219.9143, 0.2639,
0.2390


 8.4231, 0.1830,
0.1259


 33.8571, 0.2246,
0.1796


 4.3669, 0.1608,
0.1005


 48.0382, 0.2334,
0.1922

 1.8808, 0.1318,
0.0709

 65.7114, 0.2408,
0.2029

 0.5368, 0.0948,
0.0358

 87.2613, 0.2469,
0.2122

 0.0000, 0.0358,
0.0000

113.0721, 0.2521,
0.2202

 0.0000, 0.0000,
0.0000

143.5283, 0.2566,

0.2272

179.0142, 0.2605,
0.2334

■ 14.4340, 0.2002,
0.1471

■ 14.4340, 0.2002,
0.1471

■ 10.4934, 0.1816,
0.1161

■ 19.6227, 0.2208,
0.1811

■ 7.6948, 0.1667,
0.0907

■ 26.1514, 0.2420,
0.2156

■ 5.9165, 0.1564,
0.0727

■ 34.1046, 0.2625,
0.2488

■ 4.9975, 0.1510,
0.0627

■ 43.5596, 0.2816,
0.2795

■ 4.9365, 0.1506,
0.0621

■ 54.5881, 0.2989,
0.3071

■ 67.2573, 0.3142,
0.3314

■ 81.6303, 0.3276,
0.3525

■ 97.4540, 0.3382,
0.3709

■ 97.5341, 0.3382,
0.3711

Harmonies

Analogous

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



14.4340, 0.1310, 0.1418



14.4340, 0.2002, 0.1471



14.4340, 0.3215, 0.1820

Triad

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



14.4340, 0.2002, 0.1471



14.4340, 0.5671, 0.3992



14.4340, 0.1549, 0.4196

Complementary

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



14.4340, 0.2002, 0.1471



59.3406, 0.3990, 0.4624

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.



14.4340, 0.2524, 0.5806



14.4340, 0.2002, 0.1471



14.4340, 0.4867, 0.4979

Square

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



14.4340, 0.2002, 0.1471



14.4340, 0.5732, 0.3171



14.4340, 0.3711, 0.5871



14.4340, 0.1071, 0.2557

Rectangle

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



14.4340, 0.2002, 0.1471



14.4340, 0.4237, 0.2204



14.4340, 0.3711, 0.5871



14.4340, 0.1826, 0.4833

Sweetspot

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



14.4344, 0.2002, 0.1471



67.3386, 0.2830, 0.2817



53.5654, 0.2432, 0.3375



13.4460, 0.2776, 0.2731



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.



14.4344, 0.2002, 0.1471



14.5777, 0.1770, 0.1083



17.4402, 0.2461, 0.1609



12.0868, 0.2981, 0.3059



3.0816, 0.1508, 0.0627



0.2143, 0.1531, 0.0712

Inverse Universe

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



21.5933, 0.4874, 0.3239



26.7469, 0.5475, 0.3242



54.8266, 0.3498, 0.4925



12.4287, 0.3285, 0.3281



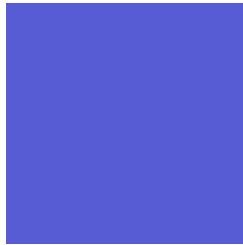
8.6559, 0.6355, 0.3274



0.5250, 0.6213, 0.3197

Previews

White Background



This preview shows how the Yxy color 14.4340, 0.2002, 0.1471 looks on a white background.

Color Contrast Check

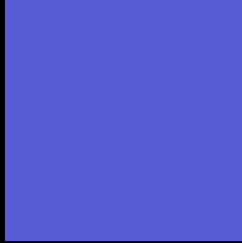
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4340, 0.2002, 0.1471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

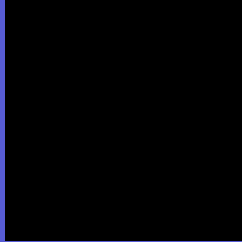
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4340, 0.2002, 0.1471

Background



This preview shows how black text looks on a background with the Yxy color 14.4340, 0.2002, 0.1471.



This preview shows how white text looks on a background with the Yxy color 14.4340, 0.2002, 0.1471.

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

14.4340, 0.2002, 0.1471

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.3560, 0.1842, 0.1832



Tritanopia

14.3697, 0.2365, 0.3079

Trichromacy



Original Color

14.4340, 0.2002, 0.1471

Protanomaly

13.9487, 0.1772, 0.1434

Deuteranomaly

13.8410, 0.1837, 0.1649

Tritanomaly

13.9725, 0.2191, 0.2301

Monochromacy



Original Color

14.4340, 0.2002, 0.1471

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.6942, 0.2594, 0.2441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4340, 0.2002, 0.1471 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(87, 92, 212)` looks like.

```
.text, #text, p{  
    color:rgb(87, 92, 212)  
}
```

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(87, 92, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 92, 212) }
```

Border

The CSS property to change the border of an element to Yxy 14.4340, 0.2002, 0.1471 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(87, 92, 212) }
```

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

```
.border{ border-color:rgb(87, 92, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 92, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 92, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 92, 212);  
box-shadow:4px 4px 4px 4px rgb(87, 92,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4340, 0.2002, 0.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 92, 212) }
```

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

```
.background{ background-color: rgb(87, 92,  
212) }
```

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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