

Converting Colors

$Y_{xy}(16.1732, 0.2012, 0.1458)$

Have a look what the booklet for
Yxy(16.1732, 0.2012, 0.1458)
contains.

Yxy(16.1805, 0.2014, 0.1458)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.1805, 0.2014, 0.1458)

Conversions

Conversions Part 1

Format	Color
Hex	5F60E0
RGB	95, 96, 224
RGB Percent	37%, 38%, 88%
CMY	0.6276, 0.6235, 0.1217
CMYK	0.58, 0.57, 0.00, 0.12
HSL	240°, 68%, 63%
HSV	240°, 58%, 88%
XYZ	22.3508, 16.1805, 72.4460
YIQ	110.2930, -41.6840, 39.5960

Conversions

Conversions Part 2

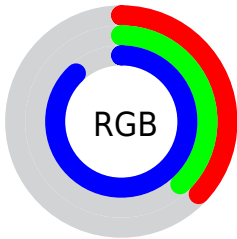
Format	Color
RYB	95, 96, 224
Decimal	6250720
CIELab	47.21, 36.16, -65.62
CIELCh	47, 74.922, 298.858
Yxy	16.1805, 0.2014, 0.1458
Android (android.graphics.Color)	4284440800 (0xFF5F60E0)
YUV	110.2930, 56.0576, -13.4120
Hunter-Lab	40.2250, 28.7890, -78.6250

Details

The Yxy color **16.1805, 0.2014, 0.1458** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **69.4022, 0.3953, 0.4637**, and the grayscale version is **15.5262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0560, 0.2383, 0.1989**, and **5.2185, 0.1643, 0.1018** is the 20% darker color. If you saturate the color by 10%, you get **11.6517, 0.1823, 0.1142**, and if you desaturate by 10%, it is **22.1999, 0.2225, 0.1807**.

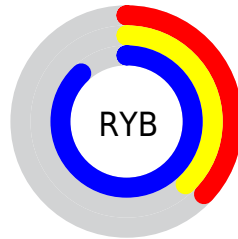
Distribution



Red (37%)

Green (38%)

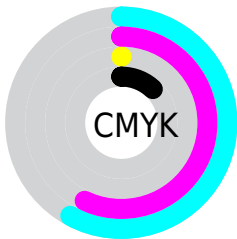
Blue (88%)



Red (37%)

Yellow (38%)

Blue (88%)

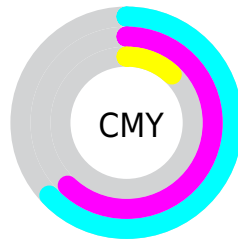


Cyan (58%)

Magenta (57%)

Yellow (0%)

Black (12%)



Cyan (63%)

Magenta (62%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1805, 0.2014, 0.1458 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 16.1805, 0.2014, 0.1458 by changing the saturation by 10% instead.

■ 16.1805, 0.2014,
0.1458

■ 16.1805, 0.2014,
0.1458

230.4045, 0.2634,
0.2362

■ 9.6520, 0.1850,
0.1255

■ 36.9113, 0.2249,
0.1774

■ 5.1688, 0.1641,
0.1014

■ 51.8823, 0.2335,
0.1897

■ 2.3467, 0.1371,
0.0734

■ 70.4363, 0.2406,
0.2003

■ 0.7982, 0.1024,
0.0425

■ 92.9577, 0.2466,
0.2094

■ 0.0000, 0.0590,
0.0000

119.8308, 0.2518,
0.2174

■ 0.0000, 0.0000,
0.0000

151.4400, 0.2562,

0.2244

188.1698, 0.2601,
0.2307

■ 16.1805, 0.2014,
0.1458

■ 16.1805, 0.2014,
0.1458

■ 11.6517, 0.1823,
0.1142

■ 22.1999, 0.2225,
0.1807

■ 8.4824, 0.1669,
0.0886

■ 29.8231, 0.2440,
0.2161

■ 6.5213, 0.1564,
0.0710


■ 39.1540, 0.2648,
0.2503


■ 5.5705, 0.1510,
0.0619


■ 50.2873, 0.2839,
0.2817

■ 5.4199, 0.1501,
0.0604

■ 63.3107, 0.3011,
0.3099

 78.3063, 0.3162,
0.3346

 95.3514, 0.3293,
0.3561

 98.1603, 0.3310,
0.3592

Harmonies

Analogous

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



16.1805, 0.1305, 0.1396



16.1805, 0.2014, 0.1458



16.1805, 0.3256, 0.1817

Triad

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



16.1805, 0.2014, 0.1458



16.1805, 0.5683, 0.4012



16.1805, 0.1505, 0.4155

Complementary

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



16.1805, 0.2014, 0.1458



69.4022, 0.3953, 0.4637

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.



16.1805, 0.2476, 0.5826



16.1805, 0.2014, 0.1458



16.1805, 0.4845, 0.5014

Square

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



16.1805, 0.2014, 0.1458



16.1805, 0.5782, 0.3184



16.1805, 0.3672, 0.5922



16.1805, 0.1043, 0.2508

Rectangle

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



16.1805, 0.2014, 0.1458



16.1805, 0.4297, 0.2208



16.1805, 0.3672, 0.5922



16.1805, 0.1779, 0.4808

Sweetspot

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



16.1810, 0.2014, 0.1458



68.2535, 0.2848, 0.2831



60.9921, 0.2421, 0.3316



13.9138, 0.2811, 0.2771



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.



16.1810, 0.2014, 0.1458



14.6927, 0.1791, 0.1088



20.7597, 0.2518, 0.1659



13.2611, 0.2980, 0.3049



3.1637, 0.1502, 0.0605



0.2257, 0.1506, 0.0621

Inverse Universe

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



24.8667, 0.4877, 0.3284



27.4455, 0.5448, 0.3286



61.7638, 0.3462, 0.4912



13.7023, 0.3291, 0.3289



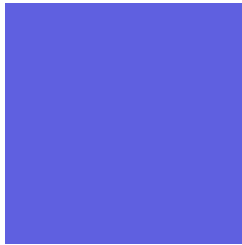
9.2274, 0.6392, 0.3295



0.6402, 0.6365, 0.3280

Previews

White Background



This preview shows how the Yxy color 16.1805, 0.2014, 0.1458 looks on a white background.

Color Contrast Check

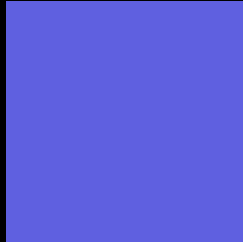
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1805, 0.2014, 0.1458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

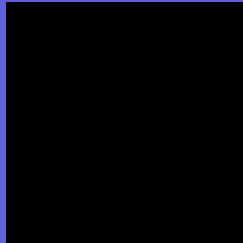
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1805, 0.2014, 0.1458

Background



This preview shows how black text looks on a background with the Yxy color 16.1805, 0.2014, 0.1458.



This preview shows how white text looks on a background with the Yxy color 16.1805, 0.2014, 0.1458.

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

16.1805, 0.2014, 0.1458

Protanopia

16.1168, 0.1737, 0.1454

Deuteranopia

16.1118, 0.1842, 0.1831



Tritanopia

16.1833, 0.2393, 0.3069

Trichromacy



Original Color

16.1805, 0.2014, 0.1458

Protanomaly

15.6039, 0.1770, 0.1423

Deuteranomaly

15.3777, 0.1837, 0.1641

Tritanomaly

15.6445, 0.2212, 0.2279

Monochromacy



Original Color

16.1805, 0.2014, 0.1458

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3408, 0.2606, 0.2428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1805, 0.2014, 0.1458 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(95, 96, 224) looks like.

```
.text, #text, p{  
    color:rgb(95, 96, 224)  
}
```

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(95, 96, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 96, 224) }
```

Border

The CSS property to change the border of an element to Yxy 16.1805, 0.2014, 0.1458 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(95, 96, 224) }
```

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

```
.border{ border-color:rgb(95, 96, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 96, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 96, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 96, 224);  
box-shadow:4px 4px 4px 4px rgb(95, 96,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1805, 0.2014, 0.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 96, 224) }
```

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

```
.background{ background-color: rgb(95, 96,  
224) }
```

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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