

Converting Colors

$Y_{xy}(16.2556, 0.1882, 0.1432)$

Have a look what the booklet for
Yxy(16.2556, 0.1882, 0.1432)
contains.

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Color

Yxy(16.3422, 0.1884, 0.1434)

Conversions

Conversions Part 1

Format	Color
Hex	4865E5
RGB	72, 101, 229
RGB Percent	28%, 40%, 90%
CMY	0.7175, 0.6039, 0.1020
CMYK	0.69, 0.56, 0.00, 0.10
HSL	229°, 75%, 59%
HSV	229°, 69%, 90%
XYZ	21.4705, 16.3422, 76.1496
YIQ	106.9210, -58.3720, 33.6600

Conversions

Conversions Part 2

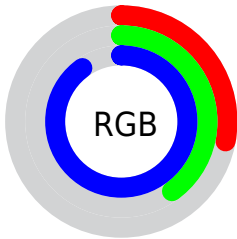
Format	Color
R _Y B	72, 96, 229
Decimal	4744677
CIE Lab	47.42, 31.15, -68.18
CIE LCh	47, 74.961, 294.553
Yxy	16.3422, 0.1884, 0.1434
Android (android.graphics.Color)	4282934757 (0xFF4865E5)
YUV	106.9210, 60.1849, -30.6257
Hunter-Lab	40.4255, 24.0591, -83.3869

Details

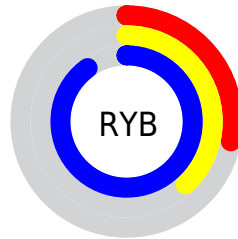
The Yxy color **16.3422, 0.1884, 0.1434** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **58.4557, 0.4258, 0.4597**, and the grayscale version is **14.5252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9948, 0.2277, 0.2013**, and **5.7109, 0.1626, 0.1054** is the 20% darker color. If you saturate the color by 10%, you get **12.3963, 0.1735, 0.1165**, and if you desaturate by 10%, it is **21.4405, 0.2061, 0.1731**.

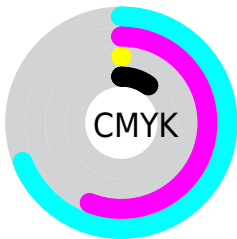
Distribution



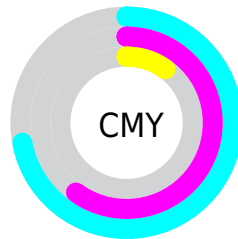
- Red (28%)
- Green (40%)
- Blue (90%)



- Red (28%)
- Yellow (38%)
- Blue (90%)



- Cyan (69%)
- Magenta (56%)
- Yellow (0%)
- Black (10%)





- Cyan (72%)
- Magenta (60%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3422, 0.1884, 0.1434 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 16.3422, 0.1884, 0.1434 by changing the saturation by 10% instead.


 16.3422, 0.1884,
0.1434


 16.3422, 0.1884,
0.1434


231.3526, 0.2563,
0.2349

 9.7666, 0.1711,
0.1230


 37.1913, 0.2137,
0.1752


 5.2445, 0.1493,
0.0990


 52.2335, 0.2231,
0.1877

 2.3914, 0.1218,
0.0712

 70.8669, 0.2309,
0.1984

 0.8215, 0.0877,
0.0411

 93.4756, 0.2376,
0.2077

 0.0000, 0.0450,
0.0000

120.4441, 0.2433,
0.2158

 0.0000, 0.0000,
0.0000

152.1569, 0.2482,

0.2229

188.9982, 0.2525,
0.2292

■ 16.3422, 0.1884,
0.1434

■ 16.3422, 0.1884,
0.1434

■ 12.3963, 0.1735,
0.1165

■ 21.4405, 0.2061,
0.1731

■ 9.5065, 0.1623,
0.0941

■ 27.7738, 0.2253,
0.2037

■ 7.5529, 0.1552,
0.0775

■ 35.4183, 0.2451,
0.2337

■ 7.3302, 0.1543,
0.0755

■ 44.4434, 0.2644,
0.2620

■ 54.9136, 0.2826,
0.2880

■ 66.8895, 0.2995,
0.3113

■ 80.4277, 0.3149,
0.3318

■ 95.5368, 0.3285,
0.3499

■ 98.4370, 0.3280,
0.3542

Harmonies

Analogous

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



16.3422, 0.1243, 0.1416



16.3422, 0.1884, 0.1434



16.3422, 0.3046, 0.1751

Triad

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



16.3422, 0.1884, 0.1434



16.3422, 0.5750, 0.3886



16.3422, 0.1620, 0.4435

Complementary

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



16.3422, 0.1884, 0.1434



58.4557, 0.4258, 0.4597

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.



16.3422, 0.2645, 0.5941



16.3422, 0.1884, 0.1434



16.3422, 0.4991, 0.4861

Square

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



16.3422, 0.1884, 0.1434



16.3422, 0.5700, 0.3075



16.3422, 0.3846, 0.5816



16.3422, 0.1083, 0.2694

Rectangle

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



16.3422, 0.1884, 0.1434



16.3422, 0.4068, 0.2118



16.3422, 0.3846, 0.5816



16.3422, 0.1918, 0.5068

Sweetspot

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



16.3426, 0.1884, 0.1434



66.4516, 0.2780, 0.2815



61.4760, 0.2472, 0.3721



13.4176, 0.2730, 0.2744



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.



16.3426, 0.1884, 0.1434



14.2126, 0.1686, 0.1071



14.2282, 0.2114, 0.1249



14.3150, 0.2980, 0.3092



4.3181, 0.1549, 0.0775



0.4432, 0.1618, 0.1025

Inverse Universe

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



22.2373, 0.5006, 0.3010



23.8537, 0.5586, 0.3040



66.4402, 0.3691, 0.5060



14.4112, 0.3264, 0.3247



9.6336, 0.6110, 0.3139



0.7244, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 16.3422, 0.1884, 0.1434 looks on a white background.

Color Contrast Check

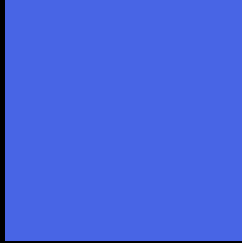
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3422, 0.1884, 0.1434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

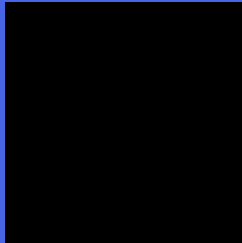
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3422, 0.1884, 0.1434

Background



This preview shows how black text looks on a background with the Yxy color 16.3422, 0.1884, 0.1434.



This preview shows how white text looks on a background with the Yxy color 16.3422, 0.1884, 0.1434.

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

16.3422, 0.1884, 0.1434

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.1118, 0.1842, 0.1831



Tritanopia

16.1365, 0.2184, 0.3061

Trichromacy



Original Color

16.3422, 0.1884, 0.1434

Protanomaly

15.9799, 0.1755, 0.1430

Deuteranomaly

15.7603, 0.1820, 0.1648

Tritanomaly

15.5750, 0.1998, 0.2250

Monochromacy



Original Color

16.3422, 0.1884, 0.1434

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.7172, 0.2489, 0.2401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3422, 0.1884, 0.1434 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(72, 101, 229)` looks like.

```
.text, #text, p{  
    color:rgb(72, 101, 229)  
}
```

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(72, 101, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 101, 229) }
```

Border

The CSS property to change the border of an element to Yxy 16.3422, 0.1884, 0.1434 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(72, 101, 229) }
```

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

```
.border{ border-color:rgb(72, 101, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 101, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 101, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 101, 229);  
box-shadow:4px 4px 4px 4px rgb(72, 101,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3422, 0.1884, 0.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 101, 229) }
```

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

```
.background{ background-color: rgb(72, 101,  
229) }
```

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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