

Converting Colors

$Y_{xy}(16.4164, 0.1950, 0.1459)$

Have a look what the booklet for
Yxy(16.4164, 0.1950, 0.1459)
contains.

Yxy(16.4901, 0.1952, 0.1467)	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(16.4901, 0.1952, 0.1467)

Conversions

Conversions Part 1

Format	Color
Hex	5464E2
RGB	84, 100, 226
RGB Percent	33%, 39%, 89%
CMY	0.6705, 0.6079, 0.1137
CMYK	0.63, 0.56, 0.00, 0.11
HSL	233°, 71%, 61%
HSV	233°, 63%, 89%
XYZ	21.9418, 16.4901, 73.9750
YIQ	109.5800, -49.9820, 35.7940

Conversions

Conversions Part 2

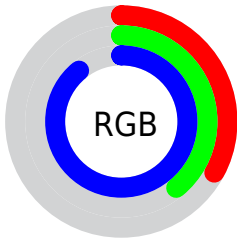
Format	Color
R_{YB}	84, 98, 226
Decimal	5530850
CIE _{Lab}	47.61, 32.54, -66.15
CIE _{LCh}	48, 73.717, 296.193
Yxy	16.4901, 0.1952, 0.1467
Android (android.graphics.Color)	4283720930 (0xFF5464E2)
YUV	109.5800, 57.3951, -22.4337
Hunter-Lab	40.6080, 25.3854, -79.5821

Details

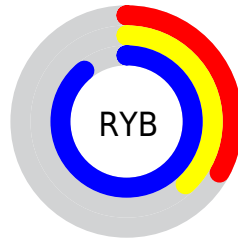
The Yxy color **16.4901, 0.1952, 0.1467** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **62.9174, 0.4103, 0.4609**, and the grayscale version is **15.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4642, 0.2331, 0.2018**, and **5.5406, 0.1625, 0.1050** is the 20% darker color. If you saturate the color by 10%, you get **12.2248, 0.1781, 0.1174**, and if you desaturate by 10%, it is **22.0396, 0.2146, 0.1787**.

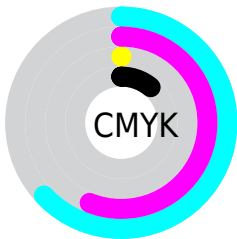
Distribution



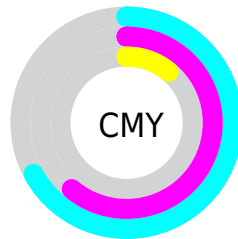
- Red (33%)
- Green (39%)
- Blue (89%)



- Red (33%)
- Yellow (38%)
- Blue (89%)



- Cyan (63%)
- Magenta (56%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (61%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4901, 0.1952, 0.1467 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 16.4901, 0.1952, 0.1467 by changing the saturation by 10% instead.

■ 16.4901, 0.1952,
0.1467

■ 16.4901, 0.1952,
0.1467

232.2166, 0.2599,
0.2368

■ 9.8716, 0.1784,
0.1264

■ 37.4470, 0.2195,
0.1782

■ 5.3139, 0.1571,
0.1024

■ 52.5542, 0.2284,
0.1905

■ 2.4326, 0.1299,
0.0744

■ 71.2597, 0.2359,
0.2010

■ 0.8426, 0.0955,
0.0437

■ 93.9480, 0.2422,
0.2101

■ 0.0000, 0.0525,
0.0000

121.0034, 0.2476,
0.2181

■ 0.0000, 0.0000,
0.0000

152.8104, 0.2523,

0.2251

189.7533, 0.2563,
0.2313

■ 16.4901, 0.1952,
0.1467

■ 16.4901, 0.1952,
0.1467

■ 12.2248, 0.1781,
0.1174

■ 22.0396, 0.2146,
0.1787

■ 9.1380, 0.1647,
0.0931

■ 28.9649, 0.2351,
0.2114

■ 7.1086, 0.1558,
0.0753

■ 37.3504, 0.2554,
0.2430

■ 6.2039, 0.1519,
0.0669

■ 47.2736, 0.2746,
0.2725

■ 58.8064, 0.2924,
0.2992

■ 72.0160, 0.3085,
0.3229

■ 86.9660, 0.3228,
0.3436

■ 98.2708, 0.3298,
0.3572

Harmonies

Analogous

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



16.4901, 0.1291, 0.1433



16.4901, 0.1952, 0.1467



16.4901, 0.3128, 0.1797

Triad

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



16.4901, 0.1952, 0.1467



16.4901, 0.5690, 0.3941



16.4901, 0.1604, 0.4307

Complementary

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



16.4901, 0.1952, 0.1467



62.9174, 0.4103, 0.4609

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.



16.4901, 0.2600, 0.5840



16.4901, 0.1952, 0.1467



16.4901, 0.4917, 0.4906

Square

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



16.4901, 0.1952, 0.1467



16.4901, 0.5687, 0.3128



16.4901, 0.3786, 0.5818



16.4901, 0.1096, 0.2639

Rectangle

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



16.4901, 0.1952, 0.1467



16.4901, 0.4137, 0.2170



16.4901, 0.3786, 0.5818



16.4901, 0.1891, 0.4931

Sweetspot

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



16.4906, 0.1952, 0.1467



67.5069, 0.2814, 0.2827



60.9020, 0.2446, 0.3511



13.5512, 0.2761, 0.2748



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.



16.4906, 0.1952, 0.1467



14.8393, 0.1741, 0.1103



17.2780, 0.2316, 0.1457



13.4902, 0.2981, 0.3075



3.6254, 0.1523, 0.0684



0.3354, 0.1578, 0.0879

Inverse Universe

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



23.4336, 0.4918, 0.3128



25.5586, 0.5486, 0.3136



63.7541, 0.3578, 0.4990



13.7255, 0.3274, 0.3264



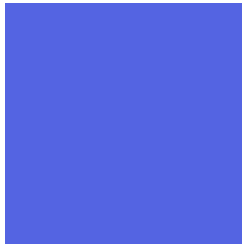
9.2740, 0.6260, 0.3222



0.6513, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 16.4901, 0.1952, 0.1467 looks on a white background.

Color Contrast Check

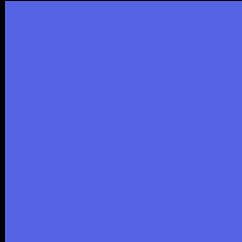
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4901, 0.1952, 0.1467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

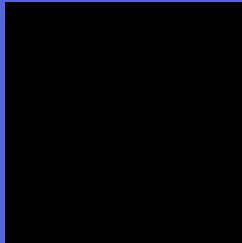
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4901, 0.1952, 0.1467

Background



This preview shows how black text looks on a background with the Yxy color 16.4901, 0.1952, 0.1467.



This preview shows how white text looks on a background with the Yxy color 16.4901, 0.1952, 0.1467.

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

16.4901, 0.1952, 0.1467

Protanopia

16.4383, 0.1737, 0.1454

Deuteranopia

16.4316, 0.1841, 0.1827



Tritanopia

16.4436, 0.2257, 0.3066

Trichromacy



Original Color

16.4901, 0.1952, 0.1467

Protanomaly

16.0516, 0.1764, 0.1433

Deuteranomaly

16.0466, 0.1835, 0.1668

Tritanomaly

15.7553, 0.2095, 0.2281

Monochromacy



Original Color

16.4901, 0.1952, 0.1467

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3418, 0.2556, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4901, 0.1952, 0.1467 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(84, 100, 226)` looks like.

```
.text, #text, p{  
    color:rgb(84, 100, 226)  
}
```

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(84, 100, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 100, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.4901, 0.1952, 0.1467 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(84, 100, 226) }
```

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

```
.border{ border-color:rgb(84, 100, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 100, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 100, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 100, 226);  
box-shadow:4px 4px 4px 4px rgb(84, 100,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4901, 0.1952, 0.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 100, 226) }
```

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

```
.background{ background-color: rgb(84, 100,  
226) }
```

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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