

Converting Colors

$Y_{xy}(16.9546, 0.1920, 0.1736)$

Have a look what the booklet for
Yxy(16.9546, 0.1920, 0.1736)
contains.

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Color

Yxy(16.9546, 0.1920, 0.1736)

Conversions

Conversions Part 1

Format	Color
Hex	3770D0
RGB	55, 112, 208
RGB Percent	22%, 44%, 82%
CMY	0.7846, 0.5607, 0.1843
CMYK	0.74, 0.46, 0.00, 0.18
HSL	218°, 62%, 52%
HSV	218°, 74%, 82%
XYZ	18.7516, 16.9546, 61.9585
YIQ	105.9010, -64.7880, 17.7720

Conversions

Conversions Part 2

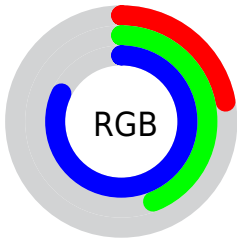
Format	Color
RYB	55, 97, 208
Decimal	3633360
CIELab	48.20, 14.34, -55.04
CIElCh	48, 56.876, 284.601
Yxy	16.9546, 0.1920, 0.1736
Android (android.graphics.Color)	4281823440 (0xFF3770D0)
YUV	105.9010, 50.3348, -44.6402
Hunter-Lab	41.1760, 9.2314, -60.3920

Details

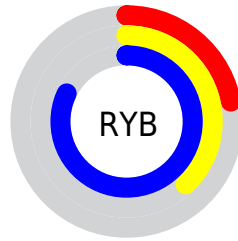
The Yxy color **16.9546, 0.1920, 0.1736** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **35.7931, 0.4600, 0.4361**, and the grayscale version is **14.2537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4793, 0.2214, 0.2126**, and **6.0805, 0.1712, 0.1362** is the 20% darker color. If you saturate the color by 10%, you get **13.8138, 0.1798, 0.1505**, and if you desaturate by 10%, it is **20.7607, 0.2066, 0.1977**.

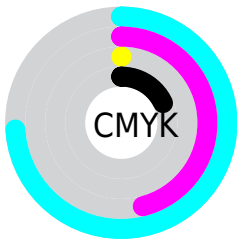
Distribution



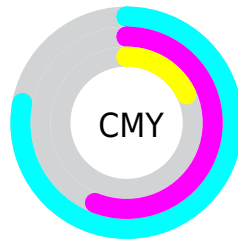
- Red (22%)
- Green (44%)
- Blue (82%)



- Red (22%)
- Yellow (38%)
- Blue (82%)



- Cyan (74%)
- Magenta (46%)
- Yellow (0%)
- Black (18%)



- Cyan (78%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9546, 0.1920, 0.1736 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 16.9546, 0.1920, 0.1736 by changing the saturation by 10% instead.

■ 16.9546, 0.1920,
0.1736

■ 16.9546, 0.1920,
0.1736

■ 234.9106, 0.2580,
0.2546

■ 10.2021, 0.1747,
0.1537

■ 38.2477, 0.2168,
0.2031

■ 5.5332, 0.1526,
0.1291

■ 53.5571, 0.2260,
0.2142

■ 2.5634, 0.1240,
0.0988

■ 72.4876, 0.2336,
0.2236

■ 0.9083, 0.0875,
0.0626

■ 95.4237, 0.2400,
0.2316

■ 0.0000, 0.0230,
0.0000

■ 122.7496, 0.2455,
0.2386

■ 0.0000, 0.0000,
0.0000

154.8498, 0.2502,

0.2446

192.1087, 0.2543,
0.2499

■ 16.9546, 0.1920,
0.1736

■ 16.9546, 0.1920,
0.1736

■ 13.8138, 0.1798,
0.1505

■ 20.7607, 0.2066,
0.1977

■ 11.2855, 0.1706,
0.1294

■ 25.2750, 0.2228,
0.2220

■ 9.9409, 0.1659,
0.1171

■ 30.5380, 0.2400,
0.2455

■ 36.5861, 0.2575,
0.2677

■ 43.4531, 0.2748,
0.2882

■ 51.1707, 0.2915,
0.3068

■ 59.7686, 0.3073,
0.3235

■ 69.2752, 0.3220,
0.3383

■ 79.7175, 0.3357,
0.3513

Harmonies

Analogous

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



16.9546, 0.1475, 0.1837



16.9546, 0.1920, 0.1736



16.9546, 0.2740, 0.1924

Triad

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



16.9546, 0.1920, 0.1736



16.9546, 0.5271, 0.3682



16.9546, 0.2236, 0.4564

Complementary

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



16.9546, 0.1920, 0.1736



35.7931, 0.4600, 0.4361

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.



16.9546, 0.3179, 0.5338



16.9546, 0.1920, 0.1736



16.9546, 0.4944, 0.4435

Square

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



16.9546, 0.1920, 0.1736



16.9546, 0.4880, 0.2980



16.9546, 0.4158, 0.5132



16.9546, 0.1598, 0.3270

Rectangle

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



16.9546, 0.1920, 0.1736



16.9546, 0.3472, 0.2191



16.9546, 0.4158, 0.5132



16.9546, 0.2529, 0.4928

Sweetspot

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



16.9551, 0.1920, 0.1736



70.4402, 0.2771, 0.2908



48.1025, 0.2595, 0.4220



14.3989, 0.2724, 0.2854



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.



16.9551, 0.1920, 0.1736



19.6026, 0.1744, 0.1387



8.6883, 0.1828, 0.1026



12.1296, 0.2982, 0.3140



6.3667, 0.1666, 0.1197



0.5064, 0.1770, 0.1571

Inverse Universe

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



17.3059, 0.4685, 0.2676



23.4405, 0.5183, 0.2714



56.3525, 0.3939, 0.4987



11.8801, 0.3233, 0.3204



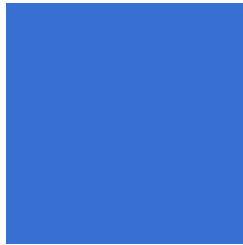
8.7140, 0.5470, 0.2787



0.5024, 0.4968, 0.2511

Previews

White Background



This preview shows how the Yxy color 16.9546, 0.1920, 0.1736 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 16.9546, 0.1920, 0.1736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

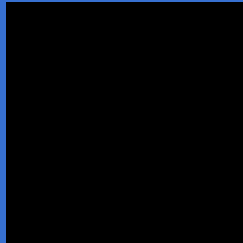
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

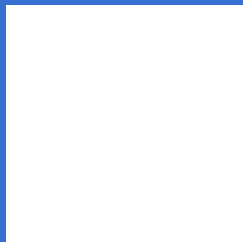
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9546, 0.1920, 0.1736

Background



This preview shows how black text looks on a background with the Yxy color 16.9546, 0.1920, 0.1736.



This preview shows how white text looks on a background with the Yxy color 16.9546, 0.1920, 0.1736.

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

16.9546, 0.1920, 0.1736

Protanopia

17.0321, 0.1968, 0.1746

Deuteranopia

16.8986, 0.1831, 0.1793



Tritanopia

16.6993, 0.2185, 0.3065

Trichromacy



Original Color

16.9546, 0.1920, 0.1736

Protanomaly

16.8980, 0.1949, 0.1740

Deuteranomaly

16.8664, 0.1846, 0.1773

Tritanomaly

16.4321, 0.2046, 0.2463

Monochromacy



Original Color

16.9546, 0.1920, 0.1736

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7345, 0.2497, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9546, 0.1920, 0.1736 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(55, 112, 208)` looks like.

```
.text, #text, p{  
    color:rgb(55, 112, 208)  
}
```

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(55, 112, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 112, 208) }
```

Border

The CSS property to change the border of an element to Yxy 16.9546, 0.1920, 0.1736 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(55, 112, 208) }
```

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

```
.border{ border-color:rgb(55, 112, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 112, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 112, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 112, 208);  
box-shadow:4px 4px 4px 4px rgb(55, 112,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9546, 0.1920, 0.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 112, 208) }
```

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

```
.background{ background-color: rgb(55, 112,  
208) }
```

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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