

Converting Colors

$Yxy(16.6357, 0.1961, 0.1800)$

Have a look what the booklet for
Yxy(16.6357, 0.1961, 0.1800)
contains.

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Color

Yxy(16.5157, 0.1959, 0.1794)

Conversions

Conversions Part 1

Format	Color
Hex	3B6FC9
RGB	59, 111, 201
RGB Percent	23%, 44%, 79%
CMY	0.7684, 0.5647, 0.2117
CMYK	0.71, 0.45, 0.00, 0.21
HSL	218°, 57%, 51%
HSV	218°, 71%, 79%
XYZ	18.0347, 16.5157, 57.5104
YIQ	105.7120, -59.8820, 16.9660

Conversions

Conversions Part 2

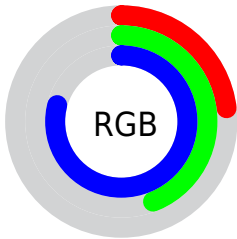
Format	Color
R_{YB}	59, 97, 201
Decimal	3895241
CIE _{Lab}	47.64, 12.99, -51.94
CIE _{LCh}	48, 53.537, 284.041
Yxy	16.5157, 0.1959, 0.1794
Android (android.graphics.Color)	4282085321 (0xFF3B6FC9)
YUV	105.7120, 46.9770, -40.9664
Hunter-Lab	40.6395, 8.0943, -55.4556

Details

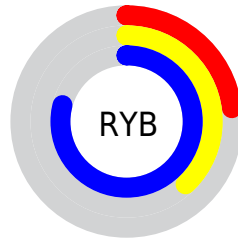
The Yxy color **16.5157, 0.1959, 0.1794** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **34.2588, 0.4525, 0.4349**, and the grayscale version is **14.2153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1982, 0.2217, 0.2114**, and **5.7421, 0.1725, 0.1411** is the 20% darker color. If you saturate the color by 10%, you get **13.4292, 0.1829, 0.1557**, and if you desaturate by 10%, it is **20.2367, 0.2111, 0.2039**.

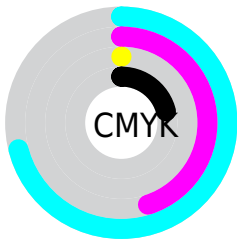
Distribution



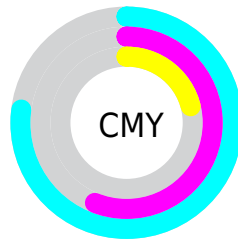
- Red (23%)
- Green (44%)
- Blue (79%)



- Red (23%)
- Yellow (38%)
- Blue (79%)



- Cyan (71%)
- Magenta (45%)
- Yellow (0%)
- Black (21%)



- Cyan (77%)
- Magenta (56%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5157, 0.1959, 0.1794 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 16.5157, 0.1959, 0.1794 by changing the saturation by 10% instead.

■ 16.5157, 0.1959,
0.1794

■ 16.5157, 0.1959,
0.1794

232.3658, 0.2603,
0.2584

■ 9.8898, 0.1787,
0.1596

■ 37.4912, 0.2203,
0.2085

■ 5.3260, 0.1565,
0.1348

■ 52.6096, 0.2293,
0.2193

■ 2.4398, 0.1275,
0.1037

■ 71.3276, 0.2367,
0.2285

■ 0.8462, 0.0898,
0.0659

■ 94.0296, 0.2429,
0.2363

■ 0.0000, 0.0117,
0.0000

■ 121.1001, 0.2482,
0.2430

■ 0.0000, 0.0000,
0.0000

152.9233, 0.2528,

0.2488

189.8838, 0.2568,
0.2539

■ 16.5157, 0.1959,
0.1794

■ 16.5157, 0.1959,
0.1794

■ 13.4292, 0.1829,
0.1557

■ 20.2367, 0.2111,
0.2039

■ 10.9301, 0.1726,
0.1338

■ 24.6308, 0.2278,
0.2282

■ 9.0549, 0.1654,
0.1156

■ 29.7346, 0.2452,
0.2515

■ 35.5813, 0.2628,
0.2735

■ 42.2019, 0.2799,
0.2936

■ 49.6254, 0.2963,
0.3118

■ 57.8792, 0.3118,
0.3280

■ 66.9894, 0.3262,
0.3424

■ 76.9808, 0.3394,
0.3550

Harmonies

Analogous

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



16.5157, 0.1532, 0.1902



16.5157, 0.1959, 0.1794



16.5157, 0.2743, 0.1970

Triad

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



16.5157, 0.1959, 0.1794



16.5157, 0.5174, 0.3672



16.5157, 0.2299, 0.4512

Complementary

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



16.5157, 0.1959, 0.1794



34.2588, 0.4525, 0.4349

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.



16.5157, 0.3210, 0.5231



16.5157, 0.1959, 0.1794



16.5157, 0.4888, 0.4396

Square

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



16.5157, 0.1959, 0.1794



16.5157, 0.4780, 0.2989



16.5157, 0.4149, 0.5048



16.5157, 0.1672, 0.3301

Rectangle

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



16.5157, 0.1959, 0.1794



16.5157, 0.3438, 0.2227



16.5157, 0.4149, 0.5048



16.5157, 0.2583, 0.4849

Sweetspot

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



16.5162, 0.1959, 0.1794



71.4344, 0.2788, 0.2923



44.8849, 0.2589, 0.4133



14.5870, 0.2740, 0.2868



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.



16.5162, 0.1959, 0.1794



20.4870, 0.1768, 0.1433



8.9701, 0.1896, 0.1115



10.9123, 0.2983, 0.3139



5.8524, 0.1662, 0.1182



0.4149, 0.1781, 0.1612

Inverse Universe

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



16.7014, 0.4602, 0.2694



23.9595, 0.5112, 0.2711



52.0576, 0.3901, 0.4954



10.7000, 0.3233, 0.3206



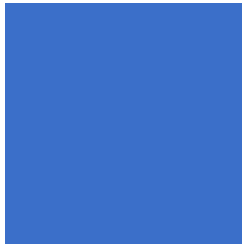
8.1308, 0.5492, 0.2799



0.3989, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 16.5157, 0.1959, 0.1794 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 16.5157, 0.1959, 0.1794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

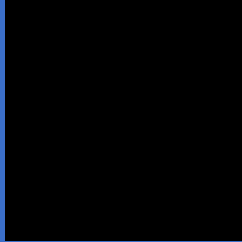
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

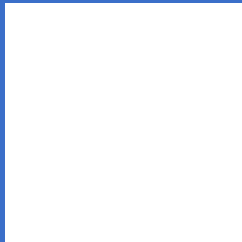
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.5157, 0.1959, 0.1794

Background



This preview shows how black text looks on a background with the Yxy color 16.5157, 0.1959, 0.1794.



This preview shows how white text looks on a background with the Yxy color 16.5157, 0.1959, 0.1794.

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

16.5157, 0.1959, 0.1794

Protanopia

16.3629, 0.2014, 0.1800

Deuteranopia

16.4660, 0.1876, 0.1823



Tritanopia

16.4165, 0.2184, 0.3063

Trichromacy



Original Color

16.5157, 0.1959, 0.1794

Protanomaly

16.4802, 0.1992, 0.1799

Deuteranomaly

16.4315, 0.1900, 0.1815

Tritanomaly

16.0956, 0.2057, 0.2492

Monochromacy



Original Color

16.5157, 0.1959, 0.1794

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7721, 0.2536, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5157, 0.1959, 0.1794 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(59, 111, 201)` looks like.

```
.text, #text, p{  
    color:rgb(59, 111, 201)  
}
```

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(59, 111, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 111, 201) }
```

Border

The CSS property to change the border of an element to Yxy 16.5157, 0.1959, 0.1794 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(59, 111, 201) }
```

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

```
.border{ border-color:rgb(59, 111, 201) }
```

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

Here you see how a box with a 4 pixel rgb(59, 111, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 111, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 111, 201);  
box-shadow:4px 4px 4px 4px rgb(59, 111,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5157, 0.1959, 0.1794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 111, 201) }
```

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

```
.background{ background-color: rgb(59, 111,  
201) }
```

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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