

Converting Colors

$Y_{xy}(18.9218, 0.2038, 0.1937)$

Have a look what the booklet for
Yxy(18.9218, 0.2038, 0.1937)
contains.

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Color

Yxy(19.0468, 0.2039, 0.1940)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 4678CB |
| RGB | 70, 120, 203 |
| RGB Percent | 27%, 47%, 80% |
| CMY | 0.7256, 0.5294, 0.2040 |
| CMYK | 0.66, 0.41, 0.00, 0.20 |
| HSL | 217°, 56%, 54% |
| HSV | 217°, 66%, 80% |
| XYZ | 20.0188, 19.0468, 59.1138 |
| YIQ | 114.5120, -56.4430, 15.2130 |

Conversions

Conversions Part 2

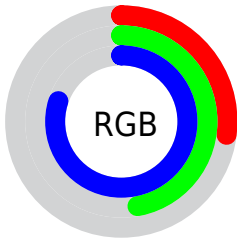
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 70, 106, 203 |
| Decimal | 4618443 |
| CIE Lab | 50.74, 9.81, -48.08 |
| CIE LCh | 51, 49.075, 281.528 |
| Yxy | 19.0468, 0.2039, 0.1940 |
| Android (android.graphics.Color) | 4282808523 (0xFF4678CB) |
| YUV | 114.5120, 43.6246, -39.0370 |
| Hunter-Lab | 43.6426, 5.5029, -49.7583 |

Details

The Yxy color **19.0468, 0.2039, 0.1940** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **35.9041, 0.4430, 0.4285**, and the grayscale version is **16.8667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5503, 0.2290, 0.2257**, and **6.7728, 0.1767, 0.1562** is the 20% darker color. If you saturate the color by 10%, you get **15.5687, 0.1898, 0.1701**, and if you desaturate by 10%, it is **23.1840, 0.2198, 0.2181**.

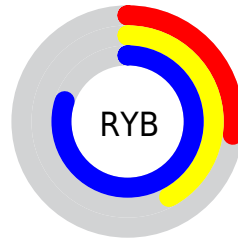
Distribution



Red (27%)

Green (47%)

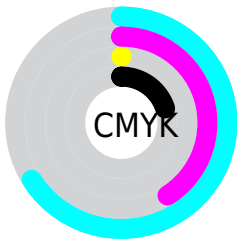
Blue (80%)



Red (27%)

Yellow (42%)

Blue (80%)

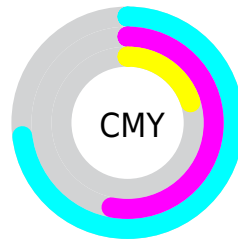


Cyan (66%)

Magenta (41%)

Yellow (0%)

Black (20%)



Cyan (73%)

Magenta (53%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0468, 0.2039, 0.1940 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 19.0468, 0.2039, 0.1940 by changing the saturation by 10% instead.

■ 19.0468, 0.2039,
0.1940

■ 19.0468, 0.2039,
0.1940

■ 246.7070, 0.2631,
0.2651

■ 11.7041, 0.1882,
0.1760

■ 41.8132, 0.2263,
0.2203

■ 6.5425, 0.1679,
0.1532

■ 58.0056, 0.2344,
0.2300

■ 3.1777, 0.1411,
0.1240

■ 77.9168, 0.2412,
0.2383

■ 1.2252, 0.1056,
0.0870

■ 101.9310, 0.2470,
0.2452

■ 0.0821, 0.0481,
0.0124

■ 130.4328, 0.2519,
0.2513

■ 0.0000, 0.0000,
0.0000

163.8065, 0.2562,

0.2565

202.4364, 0.2599,
0.2611

■ 19.0468, 0.2039,
0.1940

■ 19.0468, 0.2039,
0.1940

■ 15.5687, 0.1898,
0.1701

■ 23.1840, 0.2198,
0.2181

■ 12.7053, 0.1782,
0.1474

■ 28.0164, 0.2368,
0.2417

■ 10.4073, 0.1695,
0.1268

■ 33.5794, 0.2543,
0.2640

■ 9.5294, 0.1662,
0.1183

■ 39.9049, 0.2716,
0.2847

■ 47.0230, 0.2884,
0.3035

■ 54.9618, 0.3043,
0.3205

■ 63.7481, 0.3193,
0.3355

■ 73.4073, 0.3331,
0.3487

■ 83.9637, 0.3458,
0.3604

Harmonies

Analogous

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



19.0468, 0.1669, 0.2074



19.0468, 0.2039, 0.1940



19.0468, 0.2725, 0.2079

Triad

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



19.0468, 0.2039, 0.1940



19.0468, 0.4930, 0.3617



19.0468, 0.2472, 0.4417

Complementary

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



19.0468, 0.2039, 0.1940



35.9041, 0.4430, 0.4285

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.



19.0468, 0.3305, 0.4984



19.0468, 0.2039, 0.1940



19.0468, 0.4751, 0.4268

Square

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



19.0468, 0.2039, 0.1940



19.0468, 0.4518, 0.2990



19.0468, 0.4135, 0.4828



19.0468, 0.1867, 0.3401

Rectangle

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



19.0468, 0.2039, 0.1940



19.0468, 0.3328, 0.2303



19.0468, 0.4135, 0.4828



19.0468, 0.2735, 0.4685

Sweetspot

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



19.0474, 0.2039, 0.1940



72.9312, 0.2805, 0.2949



46.2747, 0.2617, 0.4099



14.8932, 0.2757, 0.2894



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.



19.0474, 0.2039, 0.1940



23.7789, 0.1842, 0.1596



10.6427, 0.1970, 0.1251



11.5240, 0.2983, 0.3141



6.2273, 0.1669, 0.1208



0.4662, 0.1780, 0.1607

Inverse Universe

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



18.4282, 0.4418, 0.2695



25.4504, 0.4881, 0.2670



53.7727, 0.3889, 0.4856



11.2823, 0.3232, 0.3203



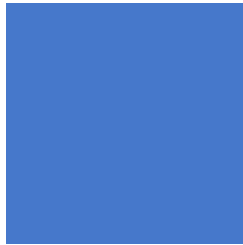
8.4316, 0.5454, 0.2778



0.4496, 0.4922, 0.2485

Previews

White Background



This preview shows how the Yxy color 19.0468, 0.2039, 0.1940 looks on a white 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

Black Background



This preview shows how the Yxy color 19.0468, 0.2039, 0.1940 looks on a black 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

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

Yxy 19.0468, 0.2039, 0.1940

Background



This preview shows how black text looks on a background with the Yxy color 19.0468, 0.2039, 0.1940.

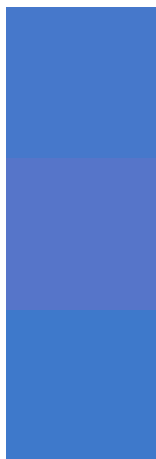


This preview shows how white text looks on a background with the Yxy color 19.0468, 0.2039, 0.1940.

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

19.0468, 0.2039, 0.1940

Protanopia

18.9181, 0.2128, 0.1941

Deuteranopia

19.0107, 0.2005, 0.1945



Tritanopia

19.1120, 0.2248, 0.3058

Trichromacy



Original Color

19.0468, 0.2039, 0.1940

Protanomaly

18.9266, 0.2090, 0.1935

Deuteranomaly

19.1104, 0.2019, 0.1949

Tritanomaly

18.7358, 0.2149, 0.2575

Monochromacy



Original Color

19.0468, 0.2039, 0.1940

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4818, 0.2607, 0.2717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0468, 0.2039, 0.1940 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(70, 120, 203)` looks like.

```
.text, #text, p{  
    color:rgb(70, 120, 203)  
}
```

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(70, 120, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 120, 203) }
```

Border

The CSS property to change the border of an element to Yxy 19.0468, 0.2039, 0.1940 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(70, 120, 203) }
```

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

```
.border{ border-color:rgb(70, 120, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 120, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 120, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 120, 203);  
box-shadow:4px 4px 4px 4px rgb(70, 120,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0468, 0.2039, 0.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 120, 203) }
```

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

```
.background{ background-color: rgb(70, 120,  
203) }
```

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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