

Converting Colors

$Y_{xy}(17.9601, 0.2020, 0.1956)$

Have a look what the booklet for
Yxy(17.9601, 0.2020, 0.1956)
contains.

Yxy(18.0448, 0.2023, 0.1962)	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(18.0448, 0.2023, 0.1962)

Conversions

Conversions Part 1

Format	Color
Hex	3F76C5
RGB	63, 118, 197
RGB Percent	25%, 46%, 77%
CMY	0.7529, 0.5372, 0.2275
CMYK	0.68, 0.40, 0.00, 0.23
HSL	215°, 54%, 51%
HSV	215°, 68%, 77%
XYZ	18.6058, 18.0448, 55.3208
YIQ	110.5610, -58.1390, 12.9090

Conversions

Conversions Part 2

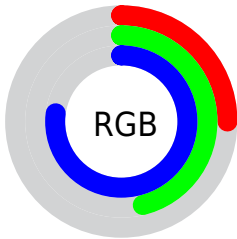
Format	Color
R _{YB}	63, 102, 197
Decimal	4159173
CIE Lab	49.55, 7.77, -46.57
CIE LCh	50, 47.216, 279.475
Yxy	18.0448, 0.2023, 0.1962
Android (android.graphics.Color)	4282349253 (0xFF3F76C5)
YUV	110.5610, 42.6144, -41.7110
Hunter-Lab	42.4792, 3.8442, -47.4782

Details

The Yxy color **18.0448, 0.2023, 0.1962** 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 **31.5753, 0.4528, 0.4255**, and the grayscale version is **15.6513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1903, 0.2252, 0.2231**, and **6.3635, 0.1772, 0.1577** is the 20% darker color. If you saturate the color by 10%, you get **14.9395, 0.1892, 0.1736**, and if you desaturate by 10%, it is **21.7201, 0.2174, 0.2191**.

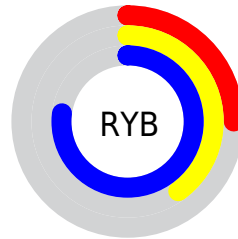
Distribution



Red (25%)

Green (46%)

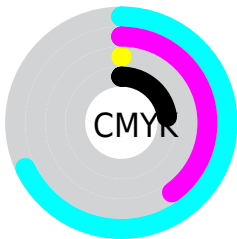
Blue (77%)



Red (25%)

Yellow (40%)

Blue (77%)

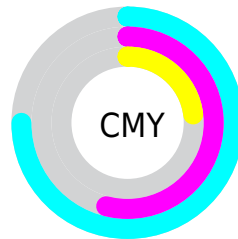


Cyan (68%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (75%)

Magenta (54%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0448, 0.2023, 0.1962 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 18.0448, 0.2023, 0.1962 by changing the saturation by 10% instead.

■ 18.0448, 0.2023,
0.1962

■ 18.0448, 0.2023,
0.1962

■ 241.1234, 0.2628,
0.2671

■ 10.9822, 0.1861,
0.1779

■ 40.1136, 0.2253,
0.2226

■ 6.0548, 0.1651,
0.1546

■ 55.8886, 0.2336,
0.2324

■ 2.8785, 0.1372,
0.1244

■ 75.3365, 0.2406,
0.2406

■ 1.0686, 0.1001,
0.0859

■ 98.8417, 0.2464,
0.2475

■ 0.0000, 0.0258,
0.0000

■ 126.7886, 0.2514,
0.2534

■ 0.0000, 0.0000,
0.0000

159.5616, 0.2557,

0.2586

197.5451, 0.2595,
0.2631

■ 18.0448, 0.2023,
0.1962

■ 18.0448, 0.2023,
0.1962

■ 14.9395, 0.1892,
0.1736

■ 21.7201, 0.2174,
0.2191

■ 12.3641, 0.1785,
0.1520

■ 25.9974, 0.2337,
0.2415

■ 10.2671, 0.1705,
0.1323

■ 30.9080, 0.2507,
0.2628

■ 9.8937, 0.1691,
0.1286

■ 36.4801, 0.2677,
0.2826

■ 42.7400, 0.2844,
0.3008

■ 49.7125, 0.3005,
0.3172

■ 57.4209, 0.3157,
0.3318

■ 65.8875, 0.3298,
0.3447

■ 75.1336, 0.3430,
0.3561

Harmonies

Analogous

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



18.0448, 0.1678, 0.2116



18.0448, 0.2023, 0.1962



18.0448, 0.2678, 0.2081

Triad

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



18.0448, 0.2023, 0.1962



18.0448, 0.4887, 0.3573



18.0448, 0.2538, 0.4450

Complementary

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



18.0448, 0.2023, 0.1962



31.5753, 0.4528, 0.4255

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.



18.0448, 0.3364, 0.4957



18.0448, 0.2023, 0.1962



18.0448, 0.4751, 0.4214

Square

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



18.0448, 0.2023, 0.1962



18.0448, 0.4442, 0.2957



18.0448, 0.4172, 0.4772



18.0448, 0.1921, 0.3469

Rectangle

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



18.0448, 0.2023, 0.1962



18.0448, 0.3262, 0.2292



18.0448, 0.4172, 0.4772



18.0448, 0.2801, 0.4698

Sweetspot

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



18.0454, 0.2023, 0.1962



73.8710, 0.2807, 0.2968



42.9144, 0.2634, 0.4212



15.1168, 0.2759, 0.2917



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.



18.0454, 0.2023, 0.1962



24.2254, 0.1832, 0.1621



9.0502, 0.1895, 0.1167



10.9905, 0.2983, 0.3150



6.6637, 0.1697, 0.1310



0.4575, 0.1814, 0.1729

Inverse Universe

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



16.7338, 0.4407, 0.2627



24.8645, 0.4864, 0.2609



50.7057, 0.3945, 0.4871



10.7079, 0.3226, 0.3196



8.2127, 0.5313, 0.2701



0.4032, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 18.0448, 0.2023, 0.1962 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 18.0448, 0.2023, 0.1962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

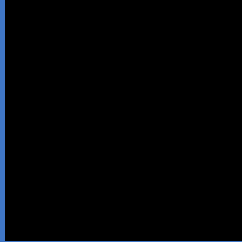
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

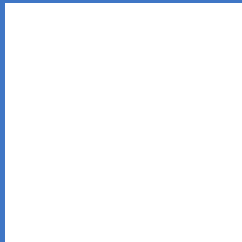
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0448, 0.2023, 0.1962

Background



This preview shows how black text looks on a background with the Yxy color 18.0448, 0.2023, 0.1962.

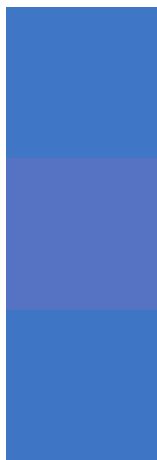


This preview shows how white text looks on a background with the Yxy color 18.0448, 0.2023, 0.1962.

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

18.0448, 0.2023, 0.1962

Protanopia

18.0878, 0.2151, 0.1983

Deuteranopia

18.0122, 0.2018, 0.1960



Tritanopia

18.0169, 0.2208, 0.3051

Trichromacy



Original Color

18.0448, 0.2023, 0.1962

Protanomaly

18.0087, 0.2099, 0.1973

Deuteranomaly

18.0122, 0.2018, 0.1960

Tritanomaly

17.8350, 0.2116, 0.2593

Monochromacy



Original Color

18.0448, 0.2023, 0.1962

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3673, 0.2594, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0448, 0.2023, 0.1962 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(63, 118, 197)` looks like.

```
.text, #text, p{  
  color:rgb(63, 118, 197)  
}
```

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(63, 118, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 118, 197) }
```

Border

The CSS property to change the border of an element to Yxy 18.0448, 0.2023, 0.1962 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(63, 118, 197) }
```

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

```
.border{ border-color:rgb(63, 118, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 118, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 118, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 118, 197);  
box-shadow:4px 4px 4px 4px rgb(63, 118,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0448, 0.2023, 0.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 118, 197) }
```

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

```
.background{ background-color: rgb(63, 118,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor