

Converting Colors

$Y_{xy}(19.2658, 0.2058, 0.1862)$

Have a look what the booklet for
Yxy(19.2658, 0.2058, 0.1862)
contains.

Yxy(19.2658, 0.2058, 0.1862)	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(19.2658, 0.2058, 0.1862)

Conversions

Conversions Part 1

Format	Color
Hex	5076D1
RGB	80, 118, 209
RGB Percent	31%, 46%, 82%
CMY	0.6863, 0.5372, 0.1804
CMYK	0.62, 0.44, 0.00, 0.18
HSL	222°, 58%, 57%
HSV	222°, 62%, 82%
XYZ	21.2938, 19.2658, 62.9087
YIQ	117.0120, -51.8590, 20.2450

Conversions

Conversions Part 2

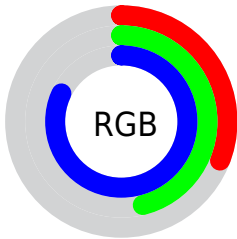
Format	Color
RYB	80, 109, 209
Decimal	5273297
CIELab	51.00, 14.90, -51.06
CIElCh	51, 53.193, 286.262
Yxy	19.2658, 0.2058, 0.1862
Android (android.graphics.Color)	4283463377 (0xFF5076D1)
YUV	117.0120, 45.3501, -32.4595
Hunter-Lab	43.8928, 9.7835, -54.2515

Details

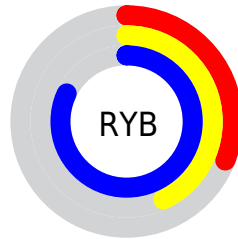
The Yxy color **19.2658, 0.2058, 0.1862** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **43.2533, 0.4261, 0.4357**, and the grayscale version is **17.6629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5449, 0.2336, 0.2244**, and **6.7134, 0.1737, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **15.2887, 0.1899, 0.1596**, and if you desaturate by 10%, it is **24.0696, 0.2233, 0.2132**.

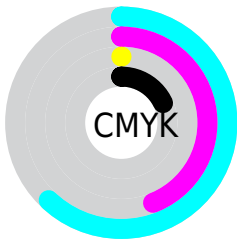
Distribution



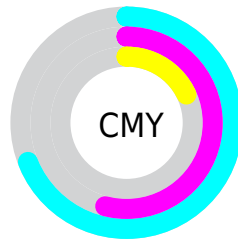
- Red (31%)
- Green (46%)
- Blue (82%)



- Red (31%)
- Yellow (43%)
- Blue (82%)



- Cyan (62%)
- Magenta (44%)
- Yellow (0%)
- Black (18%)




- Cyan (69%)
- Magenta (54%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2658, 0.2058, 0.1862 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 19.2658, 0.2058, 0.1862 by changing the saturation by 10% instead.


 19.2658, 0.2058,
0.1862


 19.2658, 0.2058,
0.1862


247.9122, 0.2640,
0.2602


 11.8625, 0.1904,
0.1679


 42.1828, 0.2277,
0.2132


 6.6501, 0.1706,
0.1451


 58.4652, 0.2358,
0.2233

 3.2443, 0.1445,
0.1163

 78.4761, 0.2425,
0.2319

 1.2605, 0.1100,
0.0806

 102.6000, 0.2481,
0.2392

 0.1103, 0.0613,
0.0144

131.2211, 0.2530,
0.2456

 0.0000, 0.0000,
0.0000

164.7239, 0.2572,

0.2511

203.4928, 0.2608,
0.2559

■ 19.2658, 0.2058,
0.1862

■ 19.2658, 0.2058,
0.1862

■ 15.2887, 0.1899,
0.1596

■ 24.0696, 0.2233,
0.2132

■ 12.0842, 0.1766,
0.1347

■ 29.7454, 0.2416,
0.2394

■ 9.5930, 0.1664,
0.1126

■ 36.3373, 0.2599,
0.2642

■ 8.0015, 0.1603,
0.0971

■ 43.8855, 0.2777,
0.2871

■ 52.4279, 0.2945,
0.3077

■ 62.0000, 0.3102,
0.3261

■ 72.6356, 0.3245,
0.3423

■ 84.3670, 0.3377,
0.3565

■ 94.6567, 0.3407,
0.3701

Harmonies

Analogous

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



19.2658, 0.1619, 0.1948



19.2658, 0.2058, 0.1862



19.2658, 0.2835, 0.2050

Triad

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



19.2658, 0.2058, 0.1862



19.2658, 0.5071, 0.3724



19.2658, 0.2292, 0.4357

Complementary

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



19.2658, 0.2058, 0.1862



43.2533, 0.4261, 0.4357

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.



19.2658, 0.3153, 0.5091



19.2658, 0.2058, 0.1862



19.2658, 0.4772, 0.4416

Square

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



19.2658, 0.2058, 0.1862



19.2658, 0.4739, 0.3059



19.2658, 0.4054, 0.5000



19.2658, 0.1712, 0.3229

Rectangle

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



19.2658, 0.2058, 0.1862



19.2658, 0.3503, 0.2309



19.2658, 0.4054, 0.5000



19.2658, 0.2559, 0.4684

Sweetspot

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



19.2664, 0.2058, 0.1862



72.0407, 0.2820, 0.2924



50.2133, 0.2574, 0.3871



14.6286, 0.2770, 0.2862



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.



19.2664, 0.2058, 0.1862



22.2817, 0.1854, 0.1516



13.3928, 0.2125, 0.1402



11.9772, 0.2982, 0.3121



5.0841, 0.1610, 0.0996



0.4221, 0.1714, 0.1369

Inverse Universe

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



20.5995, 0.4477, 0.2844



26.5941, 0.4951, 0.2819



56.2641, 0.3770, 0.4841



11.8647, 0.3245, 0.3222



8.5845, 0.5765, 0.2949



0.4939, 0.5233, 0.2656

Previews

White Background



This preview shows how the Yxy color 19.2658, 0.2058, 0.1862 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 19.2658, 0.2058, 0.1862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

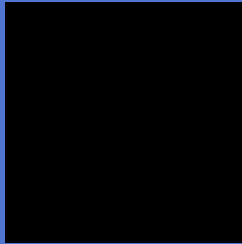
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2658, 0.2058, 0.1862

Background



This preview shows how black text looks on a background with the Yxy color 19.2658, 0.2058, 0.1862.



This preview shows how white text looks on a background with the Yxy color 19.2658, 0.2058, 0.1862.

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

19.2658, 0.2058, 0.1862

Protanopia

19.3096, 0.2064, 0.1864

Deuteranopia

19.2574, 0.1958, 0.1898



Tritanopia

19.3866, 0.2315, 0.3082

Trichromacy



Original Color

19.2658, 0.2058, 0.1862

Protanomaly

19.3096, 0.2064, 0.1864

Deuteranomaly

19.2856, 0.1990, 0.1893

Tritanomaly

19.1890, 0.2204, 0.2554

Monochromacy



Original Color

19.2658, 0.2058, 0.1862

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8676, 0.2630, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2658, 0.2058, 0.1862 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(80, 118, 209)` looks like.

```
.text, #text, p{  
  color:rgb(80, 118, 209)  
}
```

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(80, 118, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 118, 209) }
```

Border

The CSS property to change the border of an element to Yxy 19.2658, 0.2058, 0.1862 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(80, 118, 209) }
```

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

```
.border{ border-color:rgb(80, 118, 209) }
```

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

Here you see how a box with a 4 pixel rgb(80, 118, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 118, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 118, 209);  
box-shadow:4px 4px 4px 4px rgb(80, 118,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2658, 0.2058, 0.1862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 118, 209) }
```

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

```
.background{ background-color: rgb(80, 118,  
209) }
```

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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