

Converting Colors

$Y_{xy}(18.8830, 0.2122, 0.2018)$

Have a look what the booklet for
Yxy(18.8830, 0.2122, 0.2018)
contains.

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Color

Yxy(18.8846, 0.2123, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	5077C4
RGB	80, 119, 196
RGB Percent	31%, 47%, 77%
CMY	0.6864, 0.5333, 0.2313
CMYK	0.59, 0.39, 0.00, 0.23
HSL	220°, 50%, 54%
HSV	220°, 59%, 77%
XYZ	19.8672, 18.8846, 54.8290
YIQ	116.1170, -47.9610, 15.6790

Conversions

Conversions Part 2

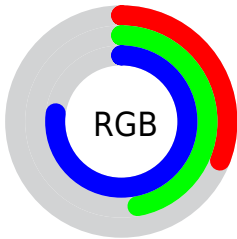
Format	Color
R _Y B	80, 109, 196
Decimal	5273540
CIE Lab	50.55, 9.87, -44.37
CIE LCh	51, 45.456, 282.545
Yxy	18.8846, 0.2123, 0.2018
Android (android.graphics.Color)	4283463620 (0xFF5077C4)
YUV	116.1170, 39.3823, -31.6746
Hunter-Lab	43.4564, 5.5571, -44.3867

Details

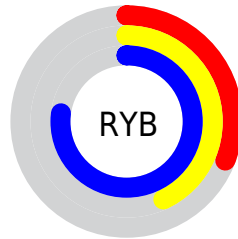
The Yxy color **18.8846, 0.2123, 0.2018** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **36.4191, 0.4247, 0.4265**, and the grayscale version is **17.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6209, 0.2336, 0.2273**, and **6.4595, 0.1781, 0.1613** is the 20% darker color. If you saturate the color by 10%, you get **15.2662, 0.1965, 0.1764**, and if you desaturate by 10%, it is **23.1768, 0.2295, 0.2271**.

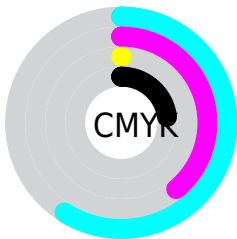
Distribution



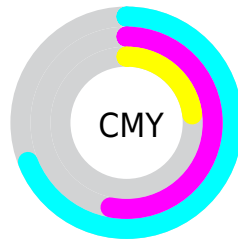
- Red (31%)
- Green (47%)
- Blue (77%)



- Red (31%)
- Yellow (43%)
- Blue (77%)



- Cyan (59%)
- Magenta (39%)
- Yellow (0%)
- Black (23%)



- Cyan (69%)
- Magenta (53%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8846, 0.2123, 0.2018 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 18.8846, 0.2123, 0.2018 by changing the saturation by 10% instead.

■ 18.8846, 0.2123,
0.2018

■ 18.8846, 0.2123,
0.2018

245.8109, 0.2675,
0.2694

■ 11.5869, 0.1974,
0.1843

■ 41.5390, 0.2333,
0.2270

■ 6.4631, 0.1778,
0.1620

■ 57.6645, 0.2410,
0.2363

■ 3.1286, 0.1515,
0.1328

■ 77.5015, 0.2473,
0.2441

■ 1.1993, 0.1157,
0.0949

■ 101.4342, 0.2526,
0.2507

■ 0.0611, 0.0531,
0.0108

129.8471, 0.2572,
0.2564

■ 0.0000, 0.0000,
0.0000

163.1246, 0.2611,

0.2613

201.6511, 0.2645,
0.2656

■ 18.8846, 0.2123,
0.2018

■ 18.8846, 0.2123,
0.2018

■ 15.2662, 0.1965,
0.1764

■ 23.1768, 0.2295,
0.2271

■ 12.2802, 0.1828,
0.1518

■ 28.1766, 0.2473,
0.2513

■ 9.8827, 0.1719,
0.1292

■ 33.9177, 0.2650,
0.2740

■ 8.0082, 0.1639,
0.1095

■ 40.4308, 0.2823,
0.2948

■ 7.8762, 0.1634,
0.1080

■ 47.7447, 0.2986,
0.3136

■ 55.8869, 0.3139,
0.3303

■ 64.8831, 0.3280,
0.3450

■ 74.7583, 0.3409,
0.3579

■ 85.2746, 0.3517,
0.3693

Harmonies

Analogous

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



18.8846, 0.1759, 0.2141



18.8846, 0.2123, 0.2018



18.8846, 0.2781, 0.2156

Triad

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



18.8846, 0.2123, 0.2018



18.8846, 0.4812, 0.3635



18.8846, 0.2499, 0.4299

Complementary

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



18.8846, 0.2123, 0.2018



36.4191, 0.4247, 0.4265

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.



18.8846, 0.3279, 0.4847



18.8846, 0.2123, 0.2018



18.8846, 0.4640, 0.4247

Square

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



18.8846, 0.2123, 0.2018



18.8846, 0.4442, 0.3035



18.8846, 0.4061, 0.4746



18.8846, 0.1934, 0.3368

Rectangle

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



18.8846, 0.2123, 0.2018



18.8846, 0.3349, 0.2374



18.8846, 0.4061, 0.4746



18.8846, 0.2745, 0.4550

Sweetspot

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



18.8852, 0.2123, 0.2018



74.3934, 0.2838, 0.2966



43.5688, 0.2621, 0.3938



15.1367, 0.2788, 0.2908



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.



18.8852, 0.2123, 0.2018



25.9636, 0.1922, 0.1691



12.2798, 0.2126, 0.1466



10.2895, 0.2984, 0.3133



5.2038, 0.1640, 0.1105



0.3535, 0.1770, 0.1572

Inverse Universe

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



18.8014, 0.4302, 0.2793



27.8963, 0.4726, 0.2744



49.6003, 0.3803, 0.4753



10.1326, 0.3237, 0.3213



7.8076, 0.5603, 0.2860



0.3503, 0.4966, 0.2510

Previews

White Background



This preview shows how the Yxy color 18.8846, 0.2123, 0.2018 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 18.8846, 0.2123, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

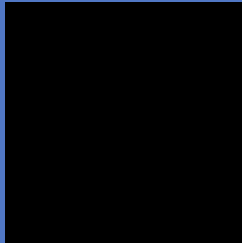
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8846, 0.2123, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 18.8846, 0.2123, 0.2018.

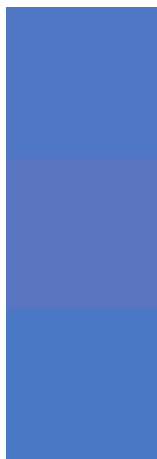


This preview shows how white text looks on a background with the Yxy color 18.8846, 0.2123, 0.2018.

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

18.8846, 0.2123, 0.2018

Protanopia

18.7415, 0.2185, 0.2025

Deuteranopia

18.8349, 0.2087, 0.2023



Tritanopia

18.9964, 0.2361, 0.3081

Trichromacy



Original Color

18.8846, 0.2123, 0.2018

Protanomaly

18.8754, 0.2163, 0.2024

Deuteranomaly

18.9550, 0.2104, 0.2028

Tritanomaly

18.8758, 0.2263, 0.2637

Monochromacy



Original Color

18.8846, 0.2123, 0.2018

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6505, 0.2666, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8846, 0.2123, 0.2018 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, 119, 196)` looks like.

```
.text, #text, p{  
    color:rgb(80, 119, 196)  
}
```

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, 119, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 119, 196) }
```

Border

The CSS property to change the border of an element to Yxy 18.8846, 0.2123, 0.2018 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, 119, 196) }
```

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

```
.border{ border-color:rgb(80, 119, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 119, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 119, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 119, 196);  
box-shadow:4px 4px 4px 4px rgb(80, 119,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8846, 0.2123, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 119, 196) }
```

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

```
.background{ background-color: rgb(80, 119,  
196) }
```

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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