

Converting Colors

$Y_{xy}(18.6837, 0.2031, 0.1857)$

Have a look what the booklet for
Yxy(18.6837, 0.2031, 0.1857)
contains.

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Color

$Y_{xy}(18.6834, 0.2031, 0.1856)$

Conversions

Conversions Part 1

Format	Color
Hex	4A75CF
RGB	74, 117, 207
RGB Percent	29%, 46%, 81%
CMY	0.7097, 0.5412, 0.1884
CMYK	0.64, 0.43, 0.00, 0.19
HSL	221°, 58%, 55%
HSV	221°, 64%, 81%
XYZ	20.4450, 18.6834, 61.5364
YIQ	114.4030, -54.5180, 18.8740

Conversions

Conversions Part 2

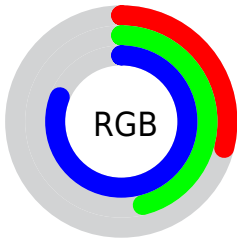
Format	Color
R_{YB}	74, 106, 207
Decimal	4879823
CIE _{Lab}	50.31, 13.75, -51.02
CIE _{LCh}	50, 52.840, 285.078
Yxy	18.6834, 0.2031, 0.1856
Android (android.graphics.Color)	4283069903 (0xFF4A75CF)
YUV	114.4030, 45.6503, -35.4334
Hunter-Lab	43.2243, 8.7877, -54.1514

Details

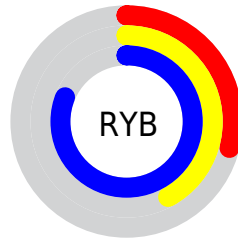
The Yxy color **18.6834, 0.2031, 0.1856** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.2985, 0.4341, 0.4349**, and the grayscale version is **16.8290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6643, 0.2299, 0.2222**, and **6.6473, 0.1743, 0.1475** is the 20% darker color. If you saturate the color by 10%, you get **14.9698, 0.1881, 0.1600**, and if you desaturate by 10%, it is **23.1566, 0.2199, 0.2116**.

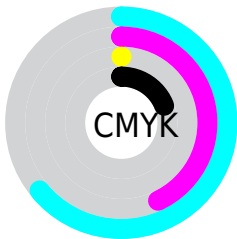
Distribution



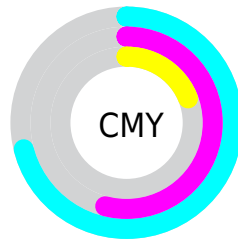
- Red (29%)
- Green (46%)
- Blue (81%)



- Red (29%)
- Yellow (42%)
- Blue (81%)



- Cyan (64%)
- Magenta (43%)
- Yellow (0%)
- Black (19%)



- Cyan (71%)
- Magenta (54%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6834, 0.2031, 0.1856 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 18.6834, 0.2031, 0.1856 by changing the saturation by 10% instead.

■ 18.6834, 0.2031,
0.1856

■ 18.6834, 0.2031,
0.1856

244.6953, 0.2629,
0.2603

■ 11.4417, 0.1873,
0.1670

■ 41.1984, 0.2257,
0.2129

■ 6.3648, 0.1669,
0.1438

■ 57.2406, 0.2339,
0.2232

■ 3.0681, 0.1401,
0.1145

■ 76.9850, 0.2408,
0.2318

■ 1.1674, 0.1048,
0.0782

■ 100.8161, 0.2466,
0.2392

■ 0.0348, 0.0515,
0.0049

129.1183, 0.2516,
0.2456

■ 0.0000, 0.0000,
0.0000

162.2760, 0.2559,

0.2511

200.6735, 0.2596,
0.2560

■ 18.6834, 0.2031,
0.1856

■ 18.6834, 0.2031,
0.1856

■ 14.9698, 0.1881,
0.1600

■ 23.1566, 0.2199,
0.2116

■ 11.9647, 0.1757,
0.1361

■ 28.4318, 0.2377,
0.2371

■ 9.6120, 0.1664,
0.1149

■ 34.5500, 0.2558,
0.2612

■ 8.5077, 0.1623,
0.1041

■ 41.5486, 0.2735,
0.2835

■ 49.4627, 0.2904,
0.3038

■ 58.3253, 0.3063,
0.3220

■ 68.1678, 0.3211,
0.3380

■ 79.0198, 0.3346,
0.3521

■ 89.8930, 0.3433,
0.3649

Harmonies

Analogous

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



18.6834, 0.1605, 0.1954



18.6834, 0.2031, 0.1856



18.6834, 0.2797, 0.2034

Triad

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



18.6834, 0.2031, 0.1856



18.6834, 0.5077, 0.3697



18.6834, 0.2319, 0.4403

Complementary

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



18.6834, 0.2031, 0.1856



40.2985, 0.4341, 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.



18.6834, 0.3189, 0.5110



18.6834, 0.2031, 0.1856



18.6834, 0.4798, 0.4391

Square

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



18.6834, 0.2031, 0.1856



18.6834, 0.4718, 0.3033



18.6834, 0.4090, 0.4988



18.6834, 0.1723, 0.3271

Rectangle

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



18.6834, 0.2031, 0.1856



18.6834, 0.3463, 0.2288



18.6834, 0.4090, 0.4988



18.6834, 0.2589, 0.4724

Sweetspot

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



18.6840, 0.2031, 0.1856



72.7777, 0.2821, 0.2939



48.6966, 0.2586, 0.3971



14.8046, 0.2771, 0.2880



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.



18.6840, 0.2031, 0.1856



22.0916, 0.1832, 0.1509



11.9003, 0.2044, 0.1311



12.0329, 0.2982, 0.3128



5.5156, 0.1629, 0.1066



0.4515, 0.1734, 0.1441

Inverse Universe

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



19.4452, 0.4499, 0.2787



25.7606, 0.4976, 0.2768



55.3930, 0.3823, 0.4869



11.8704, 0.3240, 0.3215



8.6281, 0.5661, 0.2892



0.4969, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 18.6834, 0.2031, 0.1856 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 18.6834, 0.2031, 0.1856 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

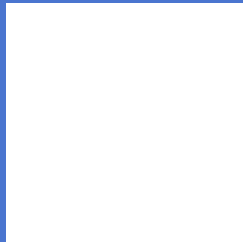
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6834, 0.2031, 0.1856

Background



This preview shows how black text looks on a background with the Yxy color 18.6834, 0.2031, 0.1856.

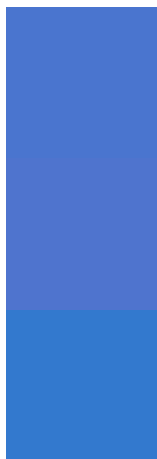


This preview shows how white text looks on a background with the Yxy color 18.6834, 0.2031, 0.1856.

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

18.6834, 0.2031, 0.1856

Protanopia

18.6093, 0.2059, 0.1859

Deuteranopia

18.8348, 0.1950, 0.1899



Tritanopia

18.5607, 0.2260, 0.3056

Trichromacy



Original Color

18.6834, 0.2031, 0.1856

Protanomaly

18.5248, 0.2047, 0.1855

Deuteranomaly

18.8190, 0.1977, 0.1892

Tritanomaly

18.3530, 0.2151, 0.2521

Monochromacy



Original Color

18.6834, 0.2031, 0.1856

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0522, 0.2593, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6834, 0.2031, 0.1856 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(74, 117, 207)` looks like.

```
.text, #text, p{  
    color:rgb(74, 117, 207)  
}
```

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(74, 117, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 117, 207) }
```

Border

The CSS property to change the border of an element to Yxy 18.6834, 0.2031, 0.1856 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(74, 117, 207) }
```

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

```
.border{ border-color:rgb(74, 117, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 117, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 117, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 117, 207);  
box-shadow:4px 4px 4px 4px rgb(74, 117,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6834, 0.2031, 0.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 117, 207) }
```

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

```
.background{ background-color: rgb(74, 117,  
207) }
```

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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