

Converting Colors

$Y_{xy}(18.7894, 0.1927, 0.1603)$

Have a look what the booklet for
Yxy(18.7894, 0.1927, 0.1603)
contains.

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Color

Yxy(18.7894, 0.1927, 0.1603)

Conversions

Conversions Part 1

Format	Color
Hex	4871E4
RGB	72, 113, 228
RGB Percent	28%, 44%, 89%
CMY	0.7172, 0.5569, 0.1059
CMYK	0.68, 0.50, 0.00, 0.11
HSL	224°, 74%, 59%
HSV	224°, 68%, 89%
XYZ	22.5871, 18.7894, 75.8374
YIQ	113.8510, -61.3510, 27.0730

Conversions

Conversions Part 2

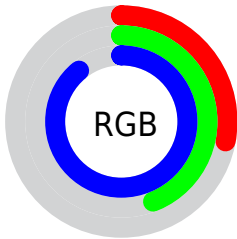
Format	Color
RYB	72, 104, 228
Decimal	4747748
CIELab	50.44, 23.32, -62.73
CIELCh	50, 66.928, 290.394
Yxy	18.7894, 0.1927, 0.1603
Android (android.graphics.Color)	4282937828 (0xFF4871E4)
YUV	113.8510, 56.2755, -36.7033
Hunter-Lab	43.3467, 17.1560, -73.3883

Details

The Yxy color **18.7894, 0.1927, 0.1603** 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 **52.5604, 0.4351, 0.4487**, and the grayscale version is **16.6299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0893, 0.2305, 0.2163**, and **6.8750, 0.1674, 0.1225** is the 20% darker color. If you saturate the color by 10%, you get **14.6573, 0.1782, 0.1340**, and if you desaturate by 10%, it is **23.9432, 0.2096, 0.1882**.

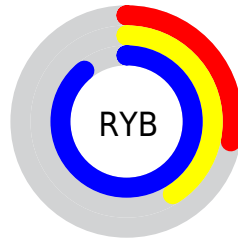
Distribution



Red (28%)

Green (44%)

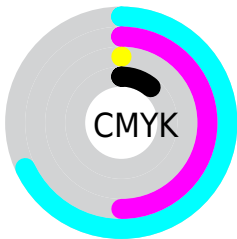
Blue (89%)



Red (28%)

Yellow (41%)

Blue (89%)

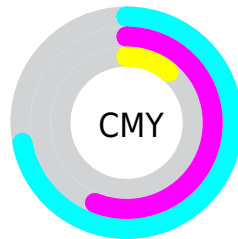


Cyan (68%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (72%)

Magenta (56%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7894, 0.1927, 0.1603 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 18.7894, 0.1927, 0.1603 by changing the saturation by 10% instead.

■ 18.7894, 0.1927,
0.1603

■ 18.7894, 0.1927,
0.1603

245.2837, 0.2573,
0.2444

■ 11.5182, 0.1763,
0.1409

■ 41.3779, 0.2166,
0.1900

■ 6.4165, 0.1556,
0.1176

■ 57.4641, 0.2255,
0.2014

■ 3.1000, 0.1294,
0.0898

■ 77.2573, 0.2330,
0.2113

■ 1.1841, 0.0962,
0.0579

■ 101.1420, 0.2393,
0.2197

■ 0.0487, 0.0562,
0.0044

129.5026, 0.2448,
0.2271

■ 0.0000, 0.0000,
0.0000

162.7235, 0.2495,

0.2336

201.1890, 0.2536,
0.2393

■ 18.7894, 0.1927,
0.1603

■ 18.7894, 0.1927,
0.1603

■ 14.6573, 0.1782,
0.1340

■ 23.9432, 0.2096,
0.1882

■ 11.4688, 0.1669,
0.1109

■ 30.1848, 0.2280,
0.2163

■ 9.1271, 0.1592,
0.0920

■ 37.5762, 0.2468,
0.2435

■ 8.8102, 0.1581,
0.0893

■ 46.1739, 0.2654,
0.2690

■ 56.0306, 0.2832,
0.2923

■ 67.1958, 0.2998,
0.3133

■ 79.7161, 0.3151,
0.3319

■ 93.6359, 0.3291,
0.3482

■ 98.3817, 0.3286,
0.3552

Harmonies

Analogous

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



18.7894, 0.1381, 0.1638



18.7894, 0.1927, 0.1603



18.7894, 0.2905, 0.1860

Triad

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



18.7894, 0.1927, 0.1603



18.7894, 0.5497, 0.3813



18.7894, 0.1939, 0.4477

Complementary

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



18.7894, 0.1927, 0.1603



52.5604, 0.4351, 0.4487

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.



18.7894, 0.2922, 0.5577



18.7894, 0.1927, 0.1603



18.7894, 0.4961, 0.4653

Square

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



18.7894, 0.1927, 0.1603



18.7894, 0.5263, 0.3056



18.7894, 0.4009, 0.5442



18.7894, 0.1351, 0.2984

Rectangle

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



18.7894, 0.1927, 0.1603



18.7894, 0.3762, 0.2179



18.7894, 0.4009, 0.5442



18.7894, 0.2235, 0.4959

Sweetspot

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



18.7899, 0.1927, 0.1603



68.5507, 0.2784, 0.2862



60.4345, 0.2521, 0.3873



13.9089, 0.2734, 0.2797



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.



18.7899, 0.1927, 0.1603



17.0520, 0.1731, 0.1240



13.4693, 0.2036, 0.1215



14.4985, 0.2981, 0.3111



5.2515, 0.1588, 0.0917



0.5364, 0.1666, 0.1198

Inverse Universe

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



22.3355, 0.4807, 0.2878



24.1403, 0.5352, 0.2900



67.1163, 0.3770, 0.5004



14.4297, 0.3251, 0.3229



9.7279, 0.5885, 0.3016



0.7338, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 18.7894, 0.1927, 0.1603 looks on a white background.

Color Contrast Check

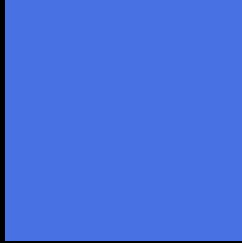
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7894, 0.1927, 0.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

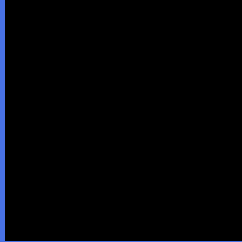
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7894, 0.1927, 0.1603

Background



This preview shows how black text looks on a background with the Yxy color 18.7894, 0.1927, 0.1603.



This preview shows how white text looks on a background with the Yxy color 18.7894, 0.1927, 0.1603.

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

18.7894, 0.1927, 0.1603

Protanopia

18.7611, 0.1849, 0.1579

Deuteranopia

18.7741, 0.1834, 0.1803



Tritanopia

18.7582, 0.2188, 0.3075

Trichromacy



Original Color

18.7894, 0.1927, 0.1603

Protanomaly

18.6776, 0.1872, 0.1582

Deuteranomaly

18.5277, 0.1836, 0.1717

Tritanomaly

18.1973, 0.2031, 0.2380

Monochromacy



Original Color

18.7894, 0.1927, 0.1603

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0538, 0.2529, 0.2525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7894, 0.1927, 0.1603 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(72, 113, 228)` looks like.

```
.text, #text, p{  
  color:rgb(72, 113, 228)  
}
```

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(72, 113, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 113, 228) }
```

Border

The CSS property to change the border of an element to Yxy 18.7894, 0.1927, 0.1603 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(72, 113, 228) }
```

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

```
.border{ border-color:rgb(72, 113, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 113, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 113, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 113, 228);  
box-shadow:4px 4px 4px 4px rgb(72, 113,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7894, 0.1927, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 113, 228) }
```

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

```
.background{ background-color: rgb(72, 113,  
228) }
```

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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