

Converting Colors

$Y_{xy}(23.2837, 0.2060, 0.1880)$

Have a look what the booklet for
Yxy(23.2837, 0.2060, 0.1880)
contains.

Yxy(23.2177, 0.2060, 0.1875)	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(23.2177, 0.2060, 0.1875)

Conversions

Conversions Part 1

Format	Color
Hex	5781E2
RGB	87, 129, 226
RGB Percent	34%, 51%, 89%
CMY	0.6589, 0.4941, 0.1137
CMYK	0.62, 0.43, 0.00, 0.11
HSL	222°, 71%, 61%
HSV	222°, 62%, 89%
XYZ	25.5085, 23.2177, 75.1015
YIQ	127.5000, -56.1690, 21.2630

Conversions

Conversions Part 2

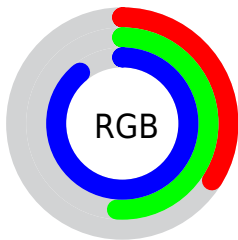
Format	Color
R _Y B	87, 119, 226
Decimal	5734882
CIE Lab	55.30, 15.21, -53.79
CIE LCh	55, 55.894, 285.787
Yxy	23.2177, 0.2060, 0.1875
Android (android.graphics.Color)	4283924962 (0xFF5781E2)
YUV	127.5000, 48.5605, -35.5185
Hunter-Lab	48.1847, 10.1728, -58.6810

Details

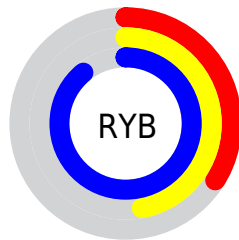
The Yxy color **23.2177, 0.2060, 0.1875** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **51.1408, 0.4271, 0.4348**, and the grayscale version is **21.2477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4708, 0.2400, 0.2393**, and **8.6396, 0.1748, 0.1491** is the 20% darker color. If you saturate the color by 10%, you get **18.4566, 0.1902, 0.1610**, and if you desaturate by 10%, it is **28.9620, 0.2235, 0.2143**.

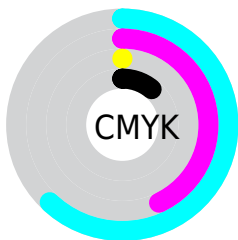
Distribution



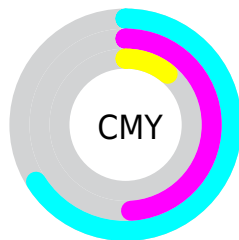
- Red (34%)
- Green (51%)
- Blue (89%)



- Red (34%)
- Yellow (47%)
- Blue (89%)



- Cyan (62%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)



- Cyan (66%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2177, 0.2060, 0.1875 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 23.2177, 0.2060, 0.1875 by changing the saturation by 10% instead.

■ 23.2177, 0.2060,
0.1875

■ 23.2177, 0.2060,
0.1875

268.8412, 0.2624,
0.2587

■ 14.7543, 0.1917,
0.1705

■ 48.7505, 0.2268,
0.2130

■ 8.6472, 0.1735,
0.1495

■ 66.5888, 0.2346,
0.2227

■ 4.5118, 0.1500,
0.1234

■ 88.3208, 0.2411,
0.2310

■ 1.9638, 0.1193,
0.0911

■ 114.3310, 0.2467,
0.2381

■ 0.5863, 0.0803,
0.0505

145.0038, 0.2514,
0.2443

■ 0.0000, 0.0000,
0.0000

180.7234, 0.2556,

0.2497

221.8744, 0.2592,
0.2545

■ 23.2177, 0.2060,
0.1875

■ 23.2177, 0.2060,
0.1875

■ 18.4566, 0.1902,
0.1610

■ 28.9620, 0.2235,
0.2143

■ 14.6141, 0.1769,
0.1361

■ 35.7434, 0.2418,
0.2404

■ 11.6199, 0.1667,
0.1140

■ 43.6143, 0.2601,
0.2651

■ 9.6633, 0.1606,
0.0981

■ 52.6226, 0.2779,
0.2877

■ 62.8131, 0.2947,
0.3082

■ 74.2281, 0.3104,
0.3264

■ 86.9079, 0.3249,
0.3425

■ 98.2720, 0.3297,
0.3572

Harmonies

Analogous

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



23.2177, 0.1630, 0.1966



23.2177, 0.2060, 0.1875



23.2177, 0.2824, 0.2057

Triad

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



23.2177, 0.2060, 0.1875



23.2177, 0.5049, 0.3713



23.2177, 0.2315, 0.4358

Complementary

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



23.2177, 0.2060, 0.1875



51.1408, 0.4271, 0.4348

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.



23.2177, 0.3170, 0.5071



23.2177, 0.2060, 0.1875



23.2177, 0.4765, 0.4398

Square

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



23.2177, 0.2060, 0.1875



23.2177, 0.4709, 0.3054



23.2177, 0.4061, 0.4975



23.2177, 0.1733, 0.3248

Rectangle

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



23.2177, 0.2060, 0.1875



23.2177, 0.3483, 0.2312



23.2177, 0.4061, 0.4975



23.2177, 0.2580, 0.4678

Sweetspot

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



23.2184, 0.2060, 0.1875



73.5501, 0.2837, 0.2949



59.8054, 0.2585, 0.3907



14.9332, 0.2787, 0.2887



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.



23.2184, 0.2060, 0.1875



22.6360, 0.1859, 0.1534



15.7816, 0.2106, 0.1392



13.9153, 0.2981, 0.3122



5.6947, 0.1614, 0.1008



0.5488, 0.1699, 0.1316

Inverse Universe

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



24.5705, 0.4464, 0.2831



26.6299, 0.4929, 0.2805



67.4431, 0.3789, 0.4832



13.7684, 0.3245, 0.3219



9.4829, 0.5746, 0.2939



0.6729, 0.5305, 0.2696

Previews

White Background



This preview shows how the Yxy color 23.2177, 0.2060, 0.1875 looks on a white background.

Color Contrast Check

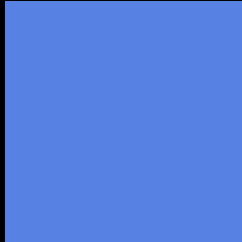
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2177, 0.2060, 0.1875 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

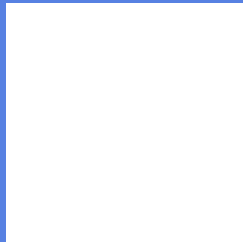
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2177, 0.2060, 0.1875

Background



This preview shows how black text looks on a background with the Yxy color 23.2177, 0.2060, 0.1875.

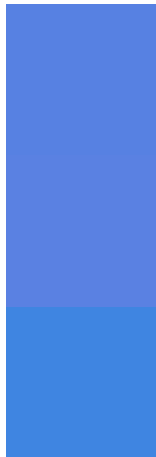


This preview shows how white text looks on a background with the Yxy color 23.2177, 0.2060, 0.1875.

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

23.2177, 0.2060, 0.1875

Protanopia

23.3652, 0.2076, 0.1880

Deuteranopia

23.2681, 0.1973, 0.1911



Tritanopia

23.1037, 0.2309, 0.3059

Trichromacy



Original Color

23.2177, 0.2060, 0.1875

Protanomaly

23.3153, 0.2071, 0.1879

Deuteranomaly

23.3165, 0.2005, 0.1907

Tritanomaly

22.9253, 0.2200, 0.2554

Monochromacy



Original Color

23.2177, 0.2060, 0.1875

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.5274, 0.2619, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2177, 0.2060, 0.1875 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(87, 129, 226)` looks like.

```
.text, #text, p{  
    color:rgb(87, 129, 226)  
}
```

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(87, 129, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 129, 226) }
```

Border

The CSS property to change the border of an element to Yxy 23.2177, 0.2060, 0.1875 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(87, 129, 226) }
```

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

```
.border{ border-color:rgb(87, 129, 226) }
```

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

Here you see how a box with a 4 pixel rgb(87, 129, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 129, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 129, 226);  
box-shadow:4px 4px 4px 4px rgb(87, 129,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2177, 0.2060, 0.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 129, 226) }
```

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

```
.background{ background-color: rgb(87, 129,  
226) }
```

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