

Converting Colors

$Y_{xy}(23.0532, 0.2067, 0.1864)$

Have a look what the booklet for
Yxy(23.0532, 0.2067, 0.1864)
contains.

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Color

Yxy(23.0532, 0.2067, 0.1864)

Conversions

Conversions Part 1

Format	Color
Hex	5980E2
RGB	89, 128, 226
RGB Percent	35%, 50%, 89%
CMY	0.6511, 0.4980, 0.1137
CMYK	0.61, 0.43, 0.00, 0.11
HSL	223°, 70%, 62%
HSV	223°, 61%, 89%
XYZ	25.5638, 23.0532, 75.0589
YIQ	127.5110, -54.7020, 22.2100

Conversions

Conversions Part 2

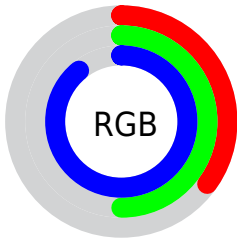
Format	Color
R _Y B	89, 119, 226
Decimal	5865698
CIE Lab	55.13, 16.17, -54.04
CIE LCh	55, 56.410, 286.655
Yxy	23.0532, 0.2067, 0.1864
Android (android.graphics.Color)	4284055778 (0xFF5980E2)
YUV	127.5110, 48.5551, -33.7741
Hunter-Lab	48.0137, 11.0142, -59.0773

Details

The Yxy color **23.0532, 0.2067, 0.1864** 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 **52.4133, 0.4236, 0.4360**, and the grayscale version is **21.2498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2521, 0.2410, 0.2383**, and **8.6396, 0.1748, 0.1491** is the 20% darker color. If you saturate the color by 10%, you get **18.2170, 0.1905, 0.1594**, and if you desaturate by 10%, it is **28.9054, 0.2245, 0.2138**.

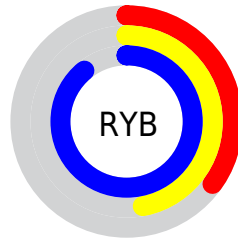
Distribution



Red (35%)

Green (50%)

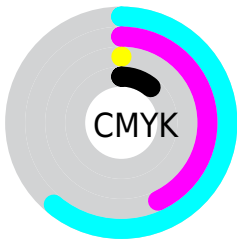
Blue (89%)



Red (35%)

Yellow (47%)

Blue (89%)

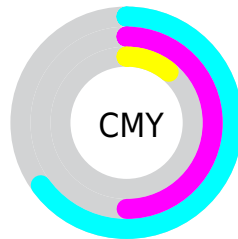


Cyan (61%)

Magenta (43%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (50%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0532, 0.2067, 0.1864 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 23.0532, 0.2067, 0.1864 by changing the saturation by 10% instead.

■ 23.0532, 0.2067,
0.1864

■ 23.0532, 0.2067,
0.1864

267.9981, 0.2629,
0.2581

■ 14.6328, 0.1924,
0.1693

■ 48.4807, 0.2275,
0.2120

■ 8.5621, 0.1742,
0.1482

■ 66.2565, 0.2352,
0.2218

■ 4.4567, 0.1507,
0.1221

■ 87.9196, 0.2417,
0.2302

■ 1.9322, 0.1200,
0.0898

■ 113.8544, 0.2472,
0.2373

■ 0.5676, 0.0809,
0.0490

144.4453, 0.2519,
0.2436

■ 0.0000, 0.0000,
0.0000

180.0766, 0.2561,

0.2490

221.1327, 0.2597,
0.2538

■ 23.0532, 0.2067,
0.1864

■ 23.0532, 0.2067,
0.1864

■ 18.2170, 0.1905,
0.1594

■ 28.9054, 0.2245,
0.2138

■ 14.3303, 0.1768,
0.1340

■ 35.8295, 0.2430,
0.2405

■ 11.3207, 0.1663,
0.1116

■ 43.8795, 0.2615,
0.2656

■ 9.2032, 0.1595,
0.0942

■ 53.1051, 0.2793,
0.2886

■ 63.5526, 0.2962,
0.3094

■ 75.2660, 0.3118,
0.3279

■ 88.2868, 0.3261,
0.3442

■ 98.2714, 0.3297,
0.3572

Harmonies

Analogous

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



23.0532, 0.1624, 0.1947



23.0532, 0.2067, 0.1864



23.0532, 0.2847, 0.2055

Triad

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



23.0532, 0.2067, 0.1864



23.0532, 0.5069, 0.3733



23.0532, 0.2283, 0.4341

Complementary

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



23.0532, 0.2067, 0.1864



52.4133, 0.4236, 0.4360

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.



23.0532, 0.3141, 0.5085



23.0532, 0.2067, 0.1864



23.0532, 0.4764, 0.4424

Square

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



23.0532, 0.2067, 0.1864



23.0532, 0.4746, 0.3068



23.0532, 0.4043, 0.5004



23.0532, 0.1708, 0.3215

Rectangle

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



23.0532, 0.2067, 0.1864



23.0532, 0.3516, 0.2316



23.0532, 0.4043, 0.5004



23.0532, 0.2548, 0.4671

Sweetspot

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



23.0539, 0.2067, 0.1864



73.1273, 0.2837, 0.2941



60.0170, 0.2578, 0.3862



14.8313, 0.2786, 0.2877



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.



23.0539, 0.2067, 0.1864



22.3720, 0.1863, 0.1519



16.3677, 0.2140, 0.1427



13.8762, 0.2981, 0.3117



5.4253, 0.1602, 0.0968



0.5260, 0.1687, 0.1273

Inverse Universe

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



24.8667, 0.4470, 0.2862



26.9002, 0.4940, 0.2836



67.2047, 0.3765, 0.4824



13.7644, 0.3247, 0.3223



9.4557, 0.5807, 0.2972



0.6706, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 23.0532, 0.2067, 0.1864 looks on a white background.

Color Contrast Check

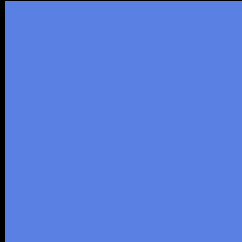
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0532, 0.2067, 0.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

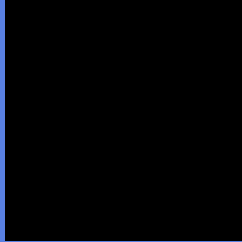
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0532, 0.2067, 0.1864

Background



This preview shows how black text looks on a background with the Yxy color 23.0532, 0.2067, 0.1864.



This preview shows how white text looks on a background with the Yxy color 23.0532, 0.2067, 0.1864.

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

23.0532, 0.2067, 0.1864

Protanopia

23.0040, 0.2062, 0.1862

Deuteranopia

23.2034, 0.1966, 0.1909



Tritanopia

23.1538, 0.2329, 0.3078

Trichromacy



Original Color

23.0532, 0.2067, 0.1864

Protanomaly

23.0040, 0.2062, 0.1862

Deuteranomaly

23.0084, 0.1997, 0.1890

Tritanomaly

22.7421, 0.2211, 0.2538

Monochromacy



Original Color

23.0532, 0.2067, 0.1864

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6961, 0.2629, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0532, 0.2067, 0.1864 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(89, 128, 226)` looks like.

```
.text, #text, p{  
    color:rgb(89, 128, 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(89, 128, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 128, 226) }
```

Border

The CSS property to change the border of an element to Yxy 23.0532, 0.2067, 0.1864 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(89, 128, 226) }
```

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

```
.border{ border-color:rgb(89, 128, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 128, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 128, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 128, 226);  
box-shadow:4px 4px 4px 4px rgb(89, 128,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0532, 0.2067, 0.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 128, 226) }
```

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

```
.background{ background-color: rgb(89, 128,  
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](#).

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