

Converting Colors

$Y_{xy}(25.5671, 0.1931, 0.1863)$

Have a look what the booklet for
Yxy(25.5671, 0.1931, 0.1863)
contains.

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Color

Yxy(25.5671, 0.1931, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	398BEF
RGB	57, 139, 239
RGB Percent	22%, 55%, 94%
CMY	0.7759, 0.4549, 0.0629
CMYK	0.76, 0.42, 0.00, 0.06
HSL	213°, 85%, 58%
HSV	213°, 76%, 94%
XYZ	26.5003, 25.5671, 85.1688
YIQ	125.8820, -80.9720, 13.7160

Conversions

Conversions Part 2

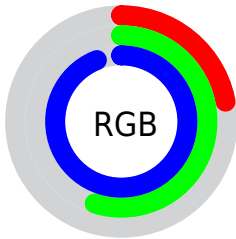
Format	Color
R _Y B	57, 114, 239
Decimal	3771375
CIE Lab	57.62, 9.30, -57.34
CIE LCh	58, 58.088, 279.212
Yxy	25.5671, 0.1931, 0.1863
Android (android.graphics.Color)	4281961455 (0xFF398BEF)
YUV	125.8820, 55.7672, -60.4095
Hunter-Lab	50.5639, 5.0641, -64.4720

Details

The Yxy color **25.5671, 0.1931, 0.1863** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **42.7876, 0.4802, 0.4246**, and the grayscale version is **20.6619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5085, 0.2324, 0.2512**, and **10.6897, 0.1767, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **21.4428, 0.1825, 0.1654**, and if you desaturate by 10%, it is **30.4805, 0.2061, 0.2079**.

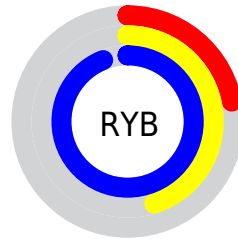
Distribution



Red (22%)

Green (55%)

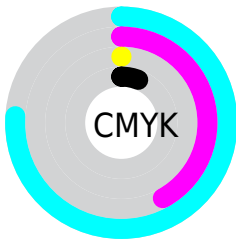
Blue (94%)



Red (22%)

Yellow (45%)

Blue (94%)

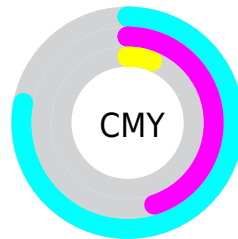


Cyan (76%)

Magenta (42%)

Yellow (0%)

Black (6%)



Cyan (78%)


Magenta (45%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5671, 0.1931, 0.1863 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 25.5671, 0.1931, 0.1863 by changing the saturation by 10% instead.

 25.5671, 0.1931,
0.1863


 25.5671, 0.1931,
0.1863


280.6505, 0.2544,
0.2574


 16.5001, 0.1782,
0.1696


 52.5757, 0.2153,
0.2115


 9.8787, 0.1597,
0.1492


 71.2861, 0.2237,
0.2212

 5.3186, 0.1363,
0.1241

 93.9798, 0.2308,
0.2295

 2.4354, 0.1069,
0.0933

 121.0411, 0.2369,
0.2366

 0.8440, 0.0709,
0.0573

 152.8544, 0.2422,
0.2428

 0.0000, 0.0000,
0.0000

189.8041, 0.2468,

0.2483

232.2747, 0.2508,
0.2531

■ 25.5671, 0.1931,
0.1863

■ 25.5671, 0.1931,
0.1863

■ 21.4428, 0.1825,
0.1654

■ 30.4805, 0.2061,
0.2079

■ 18.0383, 0.1745,
0.1460

■ 36.2369, 0.2210,
0.2295

■ 16.8678, 0.1719,
0.1388

■ 42.8868, 0.2371,
0.2504

■ 50.4751, 0.2538,
0.2703

■ 59.0433, 0.2707,
0.2887

■ 68.6298, 0.2873,
0.3055

■ 79.2709, 0.3034,
0.3206

■ 91.0009, 0.3186,
0.3341

■ 99.0097, 0.3221,
0.3444

Harmonies

Analogous

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



25.5671, 0.1571, 0.2022



25.5671, 0.1931, 0.1863



25.5671, 0.2626, 0.1990

Triad

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



25.5671, 0.1931, 0.1863



25.5671, 0.5043, 0.3564



25.5671, 0.2482, 0.4585

Complementary

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



25.5671, 0.1931, 0.1863



42.7876, 0.4802, 0.4246

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.



25.5671, 0.3370, 0.5128



25.5671, 0.1931, 0.1863



25.5671, 0.4881, 0.4252

Square

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



25.5671, 0.1931, 0.1863



25.5671, 0.4560, 0.2915



25.5671, 0.4243, 0.4881



25.5671, 0.1822, 0.3486

Rectangle

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



25.5671, 0.1931, 0.1863



25.5671, 0.3259, 0.2212



25.5671, 0.4243, 0.4881



25.5671, 0.2765, 0.4859

Sweetspot

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



25.5679, 0.1931, 0.1863



71.6477, 0.2758, 0.2939



64.9206, 0.2658, 0.4495



14.5088, 0.2697, 0.2876



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.



25.5679, 0.1931, 0.1863



22.6904, 0.1780, 0.1550



10.2323, 0.1707, 0.0914



16.4007, 0.2980, 0.3157



9.5788, 0.1727, 0.1417



0.9928, 0.1797, 0.1668

Inverse Universe

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



23.1474, 0.4556, 0.2528



23.4142, 0.4980, 0.2568



79.3137, 0.4067, 0.4950



15.8772, 0.3223, 0.3184



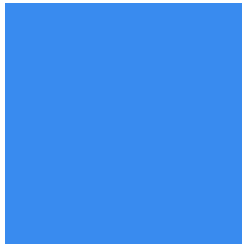
10.7603, 0.5169, 0.2621



0.9149, 0.4846, 0.2443

Previews

White Background



This preview shows how the Yxy color 25.5671, 0.1931, 0.1863 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 25.5671, 0.1931, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

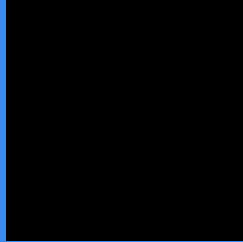
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

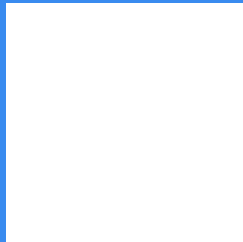
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.5671, 0.1931, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 25.5671, 0.1931, 0.1863.



This preview shows how white text looks on a background with the Yxy color 25.5671, 0.1931, 0.1863.

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

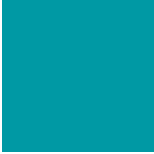
25.5671, 0.1931, 0.1863

Protanopia

25.3704, 0.2079, 0.1885

Deuteranopia

25.5380, 0.1928, 0.1862



Tritanopia

25.4628, 0.2189, 0.3081

Trichromacy



Original Color

25.5671, 0.1931, 0.1863

Protanomaly

25.4138, 0.2016, 0.1875

Deuteranomaly

25.5380, 0.1928, 0.1862

Tritanomaly

25.1008, 0.2062, 0.2549

Monochromacy



Original Color

25.5671, 0.1931, 0.1863

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.7893, 0.2497, 0.2659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5671, 0.1931, 0.1863 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(57, 139, 239)` looks like.

```
.text, #text, p{  
    color:rgb(57, 139, 239)  
}
```

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(57, 139, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 139, 239) }
```

Border

The CSS property to change the border of an element to Yxy 25.5671, 0.1931, 0.1863 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(57, 139, 239) }
```

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

```
.border{ border-color:rgb(57, 139, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 139, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 139, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 139, 239); box-shadow:4px 4px 4px 4px rgb(57, 139, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5671, 0.1931, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 139, 239) }
```

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

```
.background{ background-color: rgb(57, 139,  
239) }
```

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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