

Converting Colors

$Y_{xy}(22.4953, 0.1895, 0.1866)$

Have a look what the booklet for
Yxy(22.4953, 0.1895, 0.1866)
contains.

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Color

Yxy(22.4056, 0.1894, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	2684E2
RGB	38, 132, 226
RGB Percent	15%, 52%, 89%
CMY	0.8510, 0.4823, 0.1137
CMYK	0.83, 0.42, 0.00, 0.11
HSL	210°, 76%, 52%
HSV	210°, 83%, 89%
XYZ	22.7784, 22.4056, 75.0822
YIQ	114.6100, -86.1980, 9.3060

Conversions

Conversions Part 2

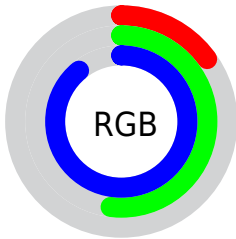
Format	Color
R _Y B	38, 101, 226
Decimal	2524386
CIE Lab	54.45, 6.89, -55.22
CIE LCh	54, 55.649, 277.112
Yxy	22.4056, 0.1894, 0.1863
Android (android.graphics.Color)	4280714466 (0xFF2684E2)
YUV	114.6100, 54.9153, -67.1870
Hunter-Lab	47.3346, 3.0626, -60.9118

Details

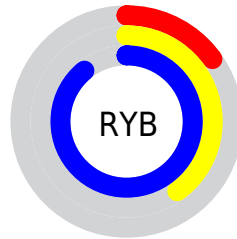
The Yxy color **22.4056, 0.1894, 0.1863** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **32.8142, 0.5069, 0.4162**, and the grayscale version is **16.8713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5628, 0.2245, 0.2408**, and **9.0888, 0.1764, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **19.1984, 0.1811, 0.1677**, and if you desaturate by 10%, it is **26.2065, 0.2002, 0.2057**.

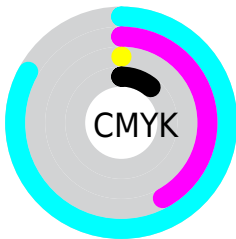
Distribution



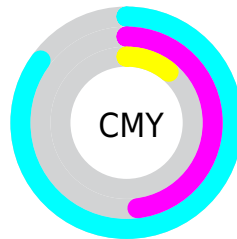
- Red (15%)
- Green (52%)
- Blue (89%)



- Red (15%)
- Yellow (40%)
- Blue (89%)



- Cyan (83%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



- Cyan (85%)
- Magenta (48%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4056, 0.1894, 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 22.4056, 0.1894, 0.1863 by changing the saturation by 10% instead.

■ 22.4056, 0.1894,
0.1863

■ 22.4056, 0.1894,
0.1863

264.6572, 0.2537,
0.2591

■ 14.1552, 0.1735,
0.1687

■ 47.4155, 0.2129,
0.2125

■ 8.2287, 0.1535,
0.1470

■ 64.9437, 0.2217,
0.2225

■ 4.2416, 0.1282,
0.1200

■ 86.3334, 0.2292,
0.2310

■ 1.8096, 0.0963,
0.0869

■ 111.9690, 0.2356,
0.2382

■ 0.4932, 0.0568,
0.0440

■ 142.2347, 0.2411,
0.2445

■ 0.0000, 0.0000,
0.0000

177.5151, 0.2458,

0.2500

218.1944, 0.2500,
0.2549

■ 22.4056, 0.1894,
0.1863

■ 22.4056, 0.1894,
0.1863

■ 19.1984, 0.1811,
0.1677

■ 26.2065, 0.2002,
0.2057

■ 17.3023, 0.1766,
0.1556

■ 30.6501, 0.2131,
0.2254

■ 35.7806, 0.2276,
0.2448

■ 41.6367, 0.2433,
0.2634

■ 48.2533, 0.2596,
0.2809

■ 55.6630, 0.2760,
0.2971

■ 63.8958, 0.2922,
0.3118

■ 72.9801, 0.3079,
0.3251

■ 82.9429, 0.3228,
0.3369

Harmonies

Analogous

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



22.4056, 0.1556, 0.2044



22.4056, 0.1894, 0.1863



22.4056, 0.2566, 0.1971

Triad

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



22.4056, 0.1894, 0.1863



22.4056, 0.5033, 0.3517



22.4056, 0.2538, 0.4651

Complementary

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



22.4056, 0.1894, 0.1863



32.8142, 0.5069, 0.4162

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.



22.4056, 0.3435, 0.5136



22.4056, 0.1894, 0.1863



22.4056, 0.4912, 0.4204

Square

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



22.4056, 0.1894, 0.1863



22.4056, 0.4505, 0.2871



22.4056, 0.4299, 0.4845



22.4056, 0.1856, 0.3565

Rectangle

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



22.4056, 0.1894, 0.1863



22.4056, 0.3188, 0.2183



22.4056, 0.4299, 0.4845



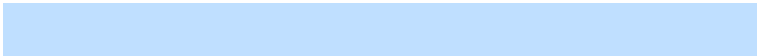
22.4056, 0.2826, 0.4908

Sweetspot

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



22.4063, 0.1894, 0.1863



71.1706, 0.2727, 0.2940



56.4761, 0.2688, 0.4719



14.4859, 0.2669, 0.2884



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.



22.4063, 0.1894, 0.1863



22.5275, 0.1763, 0.1545



7.2895, 0.1601, 0.0767



14.3699, 0.2981, 0.3170



10.1076, 0.1773, 0.1584



0.8797, 0.1851, 0.1863

Inverse Universe

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



19.2223, 0.4581, 0.2431



22.8053, 0.5001, 0.2529



70.7083, 0.4149, 0.4979



13.8143, 0.3214, 0.3173



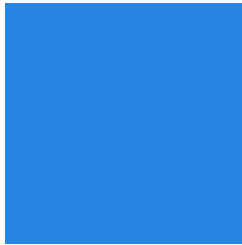
9.9284, 0.4952, 0.2502



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 22.4056, 0.1894, 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 22.4056, 0.1894, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

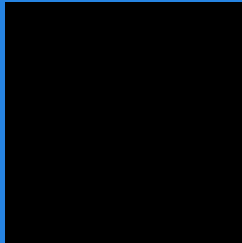
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

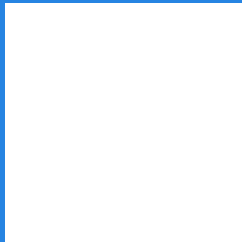
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4056, 0.1894, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 22.4056, 0.1894, 0.1863.



This preview shows how white text looks on a background with the Yxy color 22.4056, 0.1894, 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

22.4056, 0.1894, 0.1863

Protanopia

22.2129, 0.2086, 0.1892

Deuteranopia

22.3520, 0.1914, 0.1855



Tritanopia

22.2796, 0.2191, 0.3089

Trichromacy



Original Color

22.4056, 0.1894, 0.1863

Protanomaly

22.0144, 0.1993, 0.1873

Deuteranomaly

22.2591, 0.1904, 0.1852

Tritanomaly

22.1448, 0.2058, 0.2561

Monochromacy



Original Color

22.4056, 0.1894, 0.1863

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0675, 0.2440, 0.2643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4056, 0.1894, 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(38, 132, 226)` looks like.

```
.text, #text, p{  
    color:rgb(38, 132, 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(38, 132, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 132, 226) }
```

Border

The CSS property to change the border of an element to Yxy 22.4056, 0.1894, 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(38, 132, 226) }
```

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

```
.border{ border-color:rgb(38, 132, 226) }
```

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

Here you see how a box with a 4 pixel rgb(38, 132, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 132, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 132, 226);  
box-shadow:4px 4px 4px 4px rgb(38, 132,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4056, 0.1894, 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(38, 132, 226) }
```

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

```
.background{ background-color: rgb(38, 132,  
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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