

Converting Colors

$Y_{xy}(22.5734, 0.1920, 0.1520)$

Have a look what the booklet for
Yxy(22.5734, 0.1920, 0.1520)
contains.

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Color

Yxy(22.5842, 0.1919, 0.1520)

Conversions

Conversions Part 1

Format	Color
Hex	5578FF
RGB	85, 120, 255
RGB Percent	33%, 47%, 100%
CMY	0.6668, 0.5294, 0.0000
CMYK	0.67, 0.53, 0.00, 0.00
HSL	228°, 100%, 67%
HSV	228°, 67%, 100%
XYZ	28.5126, 22.5842, 97.4835
YIQ	124.9250, -64.1950, 34.5650

Conversions

Conversions Part 2

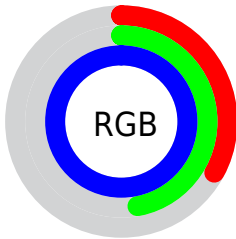
Format	Color
R _Y B	85, 114, 255
Decimal	5601535
CIE Lab	54.64, 30.22, -70.97
CIE LCh	55, 77.133, 293.067
Yxy	22.5842, 0.1919, 0.1520
Android (android.graphics.Color)	4283791615 (0xFF5578FF)
YUV	124.9250, 64.1270, -35.0142
Hunter-Lab	47.5228, 23.9307, -88.3555

Details

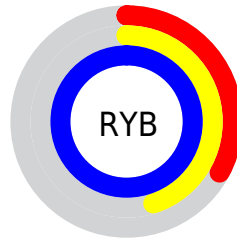
The Yxy color **22.5842, 0.1919, 0.1520** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **73.0806, 0.4262, 0.4550**, and the grayscale version is **20.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3044, 0.2405, 0.2286**, and **8.6659, 0.1655, 0.1157** is the 20% darker color. If you saturate the color by 10%, you get **17.2321, 0.1765, 0.1246**, and if you desaturate by 10%, it is **29.3936, 0.2098, 0.1816**.

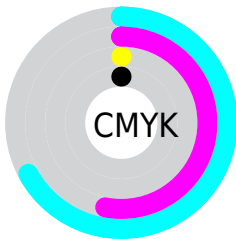
Distribution



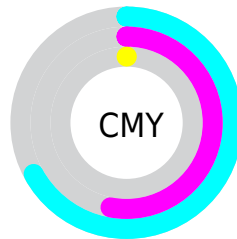
- Red (33%)
- Green (47%)
- Blue (100%)



- Red (33%)
- Yellow (45%)
- Blue (100%)



- Cyan (67%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5842, 0.1919, 0.1520 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 22.5842, 0.1919, 0.1520 by changing the saturation by 10% instead.


 22.5842, 0.1919,
0.1520


 22.5842, 0.1919,
0.1520

265.5821, 0.2549,
0.2359


 14.2868, 0.1766,
0.1339


 47.7097, 0.2147,
0.1806

 8.3204, 0.1578,
0.1125


 65.3065, 0.2233,
0.1920

 4.3006, 0.1343,
0.0876


 86.7720, 0.2306,
0.2018

 1.8431, 0.1051,
0.0596

 112.4904, 0.2369,
0.2104

 0.5138, 0.0705,
0.0281

142.8463, 0.2423,
0.2180

 0.0000, 0.0176,
0.0000

178.2239, 0.2471,

 0.0000, 0.0000,

0.2246

0.0000

219.0077, 0.2512,
0.2306

■ 22.5842, 0.1919,
0.1520

■ 22.5842, 0.1919,
0.1520

■ 17.2321, 0.1765,
0.1246

■ 29.3936, 0.2098,
0.1816

■ 13.2257, 0.1647,
0.1011

■ 37.7642, 0.2291,
0.2117

■ 10.4302, 0.1569,
0.0829

■ 47.7868, 0.2486,
0.2409

■ 9.7253, 0.1550,
0.0781

■ 59.5459, 0.2677,
0.2683

■ 73.1199, 0.2858,
0.2933

■ 88.5824, 0.3024,
0.3156

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.5842, 0.1318, 0.1522



22.5842, 0.1919, 0.1520



22.5842, 0.2995, 0.1812

Triad

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



22.5842, 0.1919, 0.1520



22.5842, 0.5624, 0.3868



22.5842, 0.1767, 0.4432

Complementary

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



22.5842, 0.1919, 0.1520



73.0806, 0.4262, 0.4550

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.



22.5842, 0.2769, 0.5744



22.5842, 0.1919, 0.1520



22.5842, 0.4963, 0.4771

Square

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



22.5842, 0.1919, 0.1520



22.5842, 0.5492, 0.3082



22.5842, 0.3916, 0.5638



22.5842, 0.1209, 0.2820

Rectangle

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



22.5842, 0.1919, 0.1520



22.5842, 0.3935, 0.2159



22.5842, 0.3916, 0.5638



22.5842, 0.2063, 0.4990

Sweetspot

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



22.5833, 0.1919, 0.1520



68.4089, 0.2799, 0.2853



78.5198, 0.2490, 0.3747



13.8228, 0.2749, 0.2783



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.



22.5833, 0.1919, 0.1520



15.7594, 0.1722, 0.1163



18.7092, 0.2119, 0.1279



17.9840, 0.2979, 0.3095



5.2508, 0.1557, 0.0804



0.6587, 0.1610, 0.0997

Inverse Universe

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



29.1073, 0.4893, 0.2975



24.4187, 0.5444, 0.2994



85.4152, 0.3705, 0.5017



18.0483, 0.3262, 0.3241



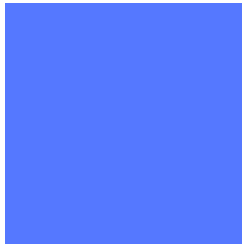
11.2580, 0.6064, 0.3114



1.1110, 0.5763, 0.2949

Previews

White Background



This preview shows how the Yxy color 22.5842, 0.1919, 0.1520 looks on a white background.

Color Contrast Check

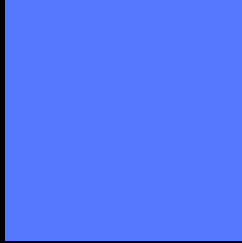
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5842, 0.1919, 0.1520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

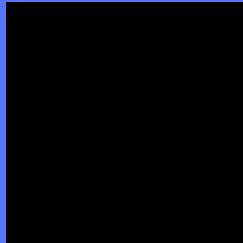
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5842, 0.1919, 0.1520

Background



This preview shows how black text looks on a background with the Yxy color 22.5842, 0.1919, 0.1520.



This preview shows how white text looks on a background with the Yxy color 22.5842, 0.1919, 0.1520.

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

22.5842, 0.1919, 0.1520

Protanopia

22.5402, 0.1816, 0.1536

Deuteranopia

22.5446, 0.1838, 0.1817



Tritanopia

22.3468, 0.2181, 0.3051

Trichromacy



Original Color

22.5842, 0.1919, 0.1520

Protanomaly

22.4101, 0.1844, 0.1524

Deuteranomaly

22.0209, 0.1827, 0.1675

Tritanomaly

21.4250, 0.2011, 0.2299

Monochromacy



Original Color

22.5842, 0.1919, 0.1520

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4595, 0.2516, 0.2456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5842, 0.1919, 0.1520 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(85, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 255)  
}
```

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(85, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.5842, 0.1919, 0.1520 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(85, 120, 255) }
```

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

```
.border{ border-color:rgb(85, 120, 255) }
```

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

Here you see how a box with a 4 pixel rgb(85, 120, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5842, 0.1919, 0.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 255) }
```

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

```
.background{ background-color: rgb(85, 120,  
255) }
```

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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