

Converting Colors

$Y_{xy}(23.4062, 0.1821, 0.1262)$

Have a look what the booklet for
Yxy(23.4062, 0.1821, 0.1262)
contains.

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Color

Yxy(21.0565, 0.1908, 0.1441)

Conversions

Conversions Part 1

Format	Color
Hex	5771FF
RGB	87, 113, 255
RGB Percent	34%, 44%, 100%
CMY	0.6589, 0.5568, 0.0001
CMYK	0.66, 0.56, 0.00, 0.00
HSL	231°, 100%, 67%
HSV	231°, 66%, 100%
XYZ	27.8805, 21.0565, 97.1872
YIQ	121.4140, -61.0780, 38.6500

Conversions

Conversions Part 2

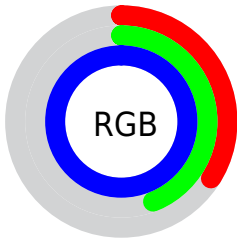
Format	Color
R _Y B	87, 110, 255
Decimal	5730815
CIE Lab	53.01, 34.76, -73.58
CIE LCh	53, 81.377, 295.284
Yxy	21.0565, 0.1908, 0.1441
Android (android.graphics.Color)	4283920895 (0xFF5771FF)
YUV	121.4140, 65.8579, -30.1811
Hunter-Lab	45.8874, 28.1511, -93.4522

Details

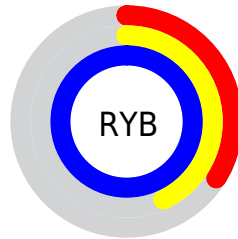
The Yxy color **21.0565, 0.1908, 0.1441** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **77.9487, 0.4193, 0.4606**, and the grayscale version is **19.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9026, 0.2404, 0.2203**, and **7.9276, 0.1632, 0.1076** is the 20% darker color. If you saturate the color by 10%, you get **15.7885, 0.1749, 0.1161**, and if you desaturate by 10%, it is **27.8998, 0.2093, 0.1749**.

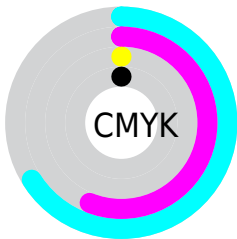
Distribution



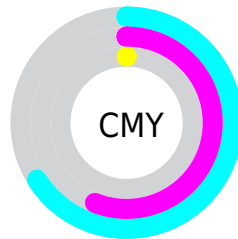
- Red (34%)
- Green (44%)
- Blue (100%)



- Red (34%)
- Yellow (43%)
- Blue (100%)



- Cyan (66%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0565, 0.1908, 0.1441 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 21.0565, 0.1908, 0.1441 by changing the saturation by 10% instead.


 21.0565, 0.1908,
0.1441


 21.0565, 0.1908,
0.1441


257.5786, 0.2550,
0.2312


 13.1653, 0.1752,
0.1255


 45.1815, 0.2141,
0.1736

 7.5425, 0.1559,
0.1038


 62.1842, 0.2229,
0.1854

 3.8036, 0.1318,
0.0789


 82.9928, 0.2304,
0.1957

 1.5643, 0.1022,
0.0515

 107.9917, 0.2367,
0.2046

 0.3334, 0.0675,
0.0186

137.5653, 0.2422,
0.2125

 0.0000, 0.0116,
0.0000

172.0981, 0.2470,

 0.0000, 0.0000,

0.2195

0.0000

211.9744, 0.2512,
0.2257

■ 21.0565, 0.1908,
0.1441

■ 21.0565, 0.1908,
0.1441

■ 15.7885, 0.1749,
0.1161

■ 27.8998, 0.2093,
0.1749

■ 11.9641, 0.1628,
0.0929

■ 36.4316, 0.2292,
0.2066

■ 9.4314, 0.1551,
0.0760

■ 46.7567, 0.2494,
0.2375

■ 8.7047, 0.1530,
0.0709

■ 58.9704, 0.2688,
0.2665

■ 73.1615, 0.2870,
0.2929

■ 89.4130, 0.3037,
0.3165

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



21.0565, 0.1256, 0.1415



21.0565, 0.1908, 0.1441



21.0565, 0.3082, 0.1764

Triad

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



21.0565, 0.1908, 0.1441



21.0565, 0.5735, 0.3908



21.0565, 0.1603, 0.4384

Complementary

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



21.0565, 0.1908, 0.1441



77.9487, 0.4193, 0.4606

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.



21.0565, 0.2619, 0.5916



21.0565, 0.1908, 0.1441



21.0565, 0.4956, 0.4877

Square

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



21.0565, 0.1908, 0.1441



21.0565, 0.5709, 0.3095



21.0565, 0.3817, 0.5830



21.0565, 0.1079, 0.2664

Rectangle

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



21.0565, 0.1908, 0.1441



21.0565, 0.4105, 0.2135



21.0565, 0.3817, 0.5830



21.0565, 0.1897, 0.5020

Sweetspot

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



21.0571, 0.1908, 0.1441



67.0972, 0.2797, 0.2824



79.0785, 0.2459, 0.3632



13.5141, 0.2746, 0.2749



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.



21.0571, 0.1908, 0.1441



14.4539, 0.1707, 0.1083



19.8677, 0.2195, 0.1330



17.8322, 0.2979, 0.3083



4.6833, 0.1536, 0.0727



0.5818, 0.1583, 0.0898

Inverse Universe

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



29.2608, 0.4979, 0.3059



24.5090, 0.5547, 0.3078



84.3355, 0.3645, 0.5037



18.0330, 0.3270, 0.3253



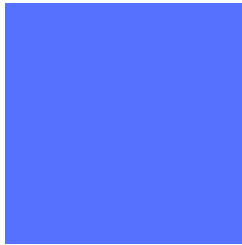
11.2007, 0.6187, 0.3182



1.1033, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 21.0565, 0.1908, 0.1441 looks on a white background.

Color Contrast Check

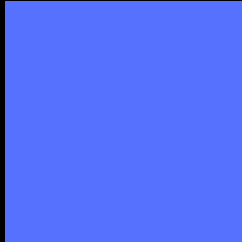
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0565, 0.1908, 0.1441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

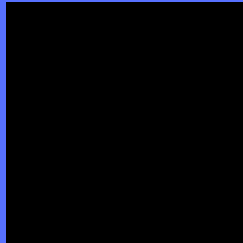
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0565, 0.1908, 0.1441

Background



This preview shows how black text looks on a background with the Yxy color 21.0565, 0.1908, 0.1441.



This preview shows how white text looks on a background with the Yxy color 21.0565, 0.1908, 0.1441.

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

21.0565, 0.1908, 0.1441

Protanopia

21.1014, 0.1759, 0.1468

Deuteranopia

21.0282, 0.1842, 0.1829



Tritanopia

20.9905, 0.2185, 0.3065

Trichromacy



Original Color

21.0565, 0.1908, 0.1441

Protanomaly

20.8052, 0.1790, 0.1447

Deuteranomaly

20.4712, 0.1821, 0.1644

Tritanomaly

19.9465, 0.2001, 0.2247

Monochromacy



Original Color

21.0565, 0.1908, 0.1441

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1104, 0.2511, 0.2394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0565, 0.1908, 0.1441 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, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 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(87, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.0565, 0.1908, 0.1441 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, 113, 255) }
```

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

```
.border{ border-color:rgb(87, 113, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0565, 0.1908, 0.1441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 255) }
```

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

```
.background{ background-color: rgb(87, 113,  
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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