

Converting Colors

$Y_{xy}(22.4191, 0.1866, 0.1377)$

Have a look what the booklet for
Yxy(22.4191, 0.1866, 0.1377)
contains.

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Color

Yxy(21.4128, 0.1905, 0.1461)

Conversions

Conversions Part 1

Format	Color
Hex	5573FF
RGB	85, 115, 255
RGB Percent	33%, 45%, 100%
CMY	0.6667, 0.5490, 0.0002
CMYK	0.67, 0.55, 0.00, 0.00
HSL	229°, 100%, 67%
HSV	229°, 67%, 100%
XYZ	27.9202, 21.4128, 97.2296
YIQ	121.9900, -62.8200, 37.1800

Conversions

Conversions Part 2

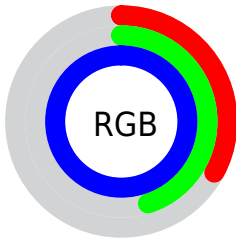
Format	Color
R _Y B	85, 111, 255
Decimal	5600255
CIE Lab	53.40, 33.25, -72.94
CIE LCh	53, 80.161, 294.503
Yxy	21.4128, 0.1905, 0.1461
Android (android.graphics.Color)	4283790335 (0xFF5573FF)
YUV	121.9900, 65.5739, -32.4402
Hunter-Lab	46.2740, 26.7216, -92.1868

Details

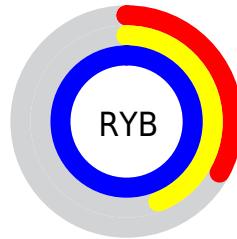
The Yxy color **21.4128, 0.1905, 0.1461** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **75.7224, 0.4228, 0.4589**, and the grayscale version is **19.2577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4367, 0.2395, 0.2224**, and **8.1655, 0.1640, 0.1102** is the 20% darker color. If you saturate the color by 10%, you get **16.1719, 0.1750, 0.1185**, and if you desaturate by 10%, it is **28.1745, 0.2087, 0.1764**.

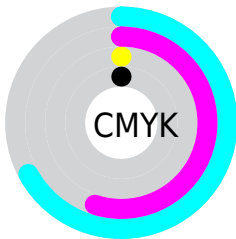
Distribution



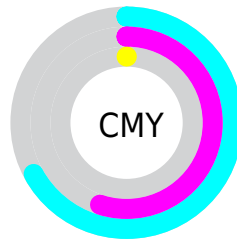
- Red (33%)
- Green (45%)
- Blue (100%)



- Red (33%)
- Yellow (44%)
- Blue (100%)



- Cyan (67%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4128, 0.1905, 0.1461 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 21.4128, 0.1905, 0.1461 by changing the saturation by 10% instead.


 21.4128, 0.1905,
0.1461


 21.4128, 0.1905,
0.1461


259.4642, 0.2546,
0.2325


 13.4261, 0.1749,
0.1276


 45.7735, 0.2137,
0.1754

 7.7226, 0.1557,
0.1060


 62.9164, 0.2225,
0.1871

 3.9180, 0.1317,
0.0811


 83.8800, 0.2300,
0.1973

 1.6278, 0.1022,
0.0534

 109.0488, 0.2364,
0.2061

 0.3762, 0.0675,
0.0209

138.8073, 0.2419,
0.2139

 0.0000, 0.0120,
0.0000

173.5397, 0.2467,

 0.0000, 0.0000,

0.2208

0.0000

213.6306, 0.2509,
0.2270

■ 21.4128, 0.1905,
0.1461

■ 21.4128, 0.1905,
0.1461

■ 16.1719, 0.1750,
0.1185

■ 28.1745, 0.2087,
0.1764

■ 12.3265, 0.1631,
0.0954

■ 36.5645, 0.2283,
0.2074

■ 9.7315, 0.1556,
0.0781

■ 46.6825, 0.2482,
0.2376

■ 9.0962, 0.1538,
0.0737

■ 58.6192, 0.2675,
0.2660

■ 72.4593, 0.2857,
0.2919

■ 88.2816, 0.3025,
0.3151

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



21.4128, 0.1270, 0.1445



21.4128, 0.1905, 0.1461



21.4128, 0.3048, 0.1774

Triad

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



21.4128, 0.1905, 0.1461



21.4128, 0.5709, 0.3892



21.4128, 0.1653, 0.4411

Complementary

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



21.4128, 0.1905, 0.1461



75.7224, 0.4228, 0.4589

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.



21.4128, 0.2668, 0.5873



21.4128, 0.1905, 0.1461



21.4128, 0.4965, 0.4841

Square

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



21.4128, 0.1905, 0.1461



21.4128, 0.5647, 0.3087



21.4128, 0.3853, 0.5773



21.4128, 0.1116, 0.2715

Rectangle

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



21.4128, 0.1905, 0.1461



21.4128, 0.4047, 0.2138



21.4128, 0.3853, 0.5773



21.4128, 0.1949, 0.5024

Sweetspot

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



21.4134, 0.1905, 0.1461



67.6498, 0.2798, 0.2836



78.7923, 0.2467, 0.3673



13.6440, 0.2747, 0.2763



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.



21.4134, 0.1905, 0.1461



14.7453, 0.1706, 0.1102



19.1869, 0.2161, 0.1299



17.8963, 0.2979, 0.3088



4.9041, 0.1544, 0.0757



0.6127, 0.1594, 0.0938

Inverse Universe

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



28.9860, 0.4962, 0.3024



24.3163, 0.5528, 0.3045



84.5824, 0.3666, 0.5042



18.0394, 0.3266, 0.3248



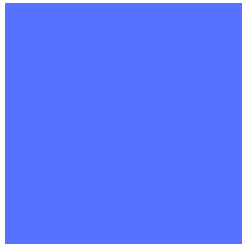
11.2230, 0.6138, 0.3155



1.1064, 0.5853, 0.2998

Previews

White Background



This preview shows how the Yxy color 21.4128, 0.1905, 0.1461 looks on a white background.

Color Contrast Check

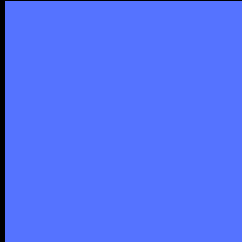
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4128, 0.1905, 0.1461 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 21.4128, 0.1905, 0.1461

Background



This preview shows how black text looks on a background with the Yxy color 21.4128, 0.1905, 0.1461.



This preview shows how white text looks on a background with the Yxy color 21.4128, 0.1905, 0.1461.

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

21.4128, 0.1905, 0.1461

Protanopia

21.4461, 0.1773, 0.1485

Deuteranopia

21.4015, 0.1841, 0.1826



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



Original Color

21.4128, 0.1905, 0.1461

Protanomaly

21.1175, 0.1801, 0.1462

Deuteranomaly

21.0147, 0.1825, 0.1664

Tritanomaly

20.4680, 0.2009, 0.2284

Monochromacy



Original Color

21.4128, 0.1905, 0.1461

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3471, 0.2513, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4128, 0.1905, 0.1461 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, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 115, 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, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.4128, 0.1905, 0.1461 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, 115, 255) }
```

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

```
.border{ border-color:rgb(85, 115, 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, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4128, 0.1905, 0.1461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 115, 255) }
```

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

```
.background{ background-color: rgb(85, 115,  
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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