

Converting Colors

$Y_{xy}(21.1980, 0.1933, 0.1444)$

Have a look what the booklet for
Yxy(21.1980, 0.1933, 0.1444)
contains.

Yxy(21.1355, 0.1933, 0.1441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(21.1355, 0.1933, 0.1441)

Conversions

Conversions Part 1

Format	Color
Hex	5D70FF
RGB	93, 112, 255
RGB Percent	36%, 44%, 100%
CMY	0.6355, 0.5607, 0.0000
CMYK	0.64, 0.56, 0.00, 0.00
HSL	233°, 100%, 68%
HSV	233°, 64%, 100%
XYZ	28.3518, 21.1355, 97.1852
YIQ	122.6210, -57.2270, 40.4450

Conversions

Conversions Part 2

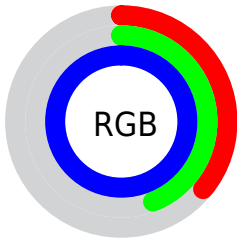
Format	Color
R _Y B	93, 110, 255
Decimal	6123775
CIE Lab	53.10, 36.25, -73.43
CIE LCh	53, 81.890, 296.271
Yxy	21.1355, 0.1933, 0.1441
Android (android.graphics.Color)	4284313855 (0xFF5D70FF)
YUV	122.6210, 65.2628, -25.9776
Hunter-Lab	45.9734, 29.6276, -93.1545

Details

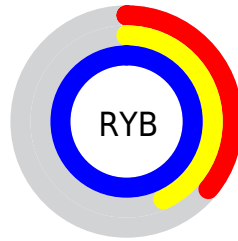
The Yxy color **21.1355, 0.1933, 0.1441** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted azure. A complement of this color would be **81.9858, 0.4123, 0.4620**, and the grayscale version is **19.4693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9390, 0.2428, 0.2198**, and **7.8118, 0.1629, 0.1063** is the 20% darker color. If you saturate the color by 10%, you get **15.6605, 0.1765, 0.1151**, and if you desaturate by 10%, it is **28.2949, 0.2126, 0.1760**.

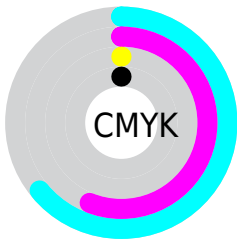
Distribution



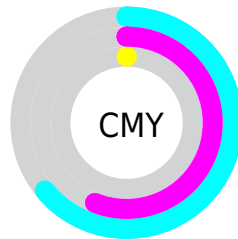
- Red (36%)
- Green (44%)
- Blue (100%)



- Red (36%)
- Yellow (43%)
- Blue (100%)



- Cyan (64%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1355, 0.1933, 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 21.1355, 0.1933, 0.1441 by changing the saturation by 10% instead.


 21.1355, 0.1933,
0.1441


 21.1355, 0.1933,
0.1441


257.9977, 0.2563,
0.2311


 13.2231, 0.1779,
0.1256


 45.3129, 0.2162,
0.1736

 7.5823, 0.1588,
0.1040


 62.3467, 0.2249,
0.1853

 3.8289, 0.1349,
0.0791


 83.1898, 0.2322,
0.1955

 1.5783, 0.1054,
0.0518

 108.2265, 0.2385,
0.2045

 0.3429, 0.0705,
0.0191

137.8413, 0.2439,
0.2123

 0.0000, 0.0162,
0.0000

172.4185, 0.2486,

 0.0000, 0.0000,

0.2193

0.0000

212.3425, 0.2527,
0.2255

■ 21.1355, 0.1933,
0.1441

■ 21.1355, 0.1933,
0.1441

■ 15.6605, 0.1765,
0.1151

■ 28.2949, 0.2126,
0.1760

■ 11.7279, 0.1635,
0.0913

■ 37.2613, 0.2331,
0.2088

■ 9.1747, 0.1551,
0.0742

■ 48.1474, 0.2535,
0.2406

■ 8.1493, 0.1519,
0.0669

■ 61.0566, 0.2730,
0.2703

■ 76.0845, 0.2910,
0.2973

■ 93.3208, 0.3074,
0.3212

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



21.1355, 0.1265, 0.1405



21.1355, 0.1933, 0.1441



21.1355, 0.3129, 0.1775

Triad

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



21.1355, 0.1933, 0.1441



21.1355, 0.5728, 0.3935



21.1355, 0.1570, 0.4325

Complementary

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



21.1355, 0.1933, 0.1441



81.9858, 0.4123, 0.4620

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.



21.1355, 0.2575, 0.5905



21.1355, 0.1933, 0.1441



21.1355, 0.4926, 0.4914

Square

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



21.1355, 0.1933, 0.1441



21.1355, 0.5739, 0.3117



21.1355, 0.3776, 0.5864



21.1355, 0.1064, 0.2616

Rectangle

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



21.1355, 0.1933, 0.1441



21.1355, 0.4161, 0.2152



21.1355, 0.3776, 0.5864



21.1355, 0.1859, 0.4969

Sweetspot

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



21.1361, 0.1933, 0.1441



67.6354, 0.2814, 0.2830



79.7435, 0.2450, 0.3550



13.5816, 0.2762, 0.2751



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.



21.1361, 0.1933, 0.1441



14.5624, 0.1729, 0.1087



21.7470, 0.2276, 0.1415



17.7221, 0.2979, 0.3073



4.3665, 0.1523, 0.0684



0.5303, 0.1564, 0.0829

Inverse Universe

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



30.2463, 0.4958, 0.3120



25.2593, 0.5517, 0.3130



83.9821, 0.3600, 0.5007



18.0219, 0.3276, 0.3262



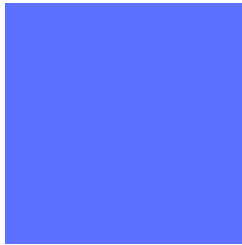
11.1688, 0.6259, 0.3222



1.0981, 0.6023, 0.3091

Previews

White Background



This preview shows how the Yxy color 21.1355, 0.1933, 0.1441 looks on a white background.

Color Contrast Check

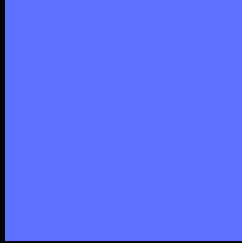
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1355, 0.1933, 0.1441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

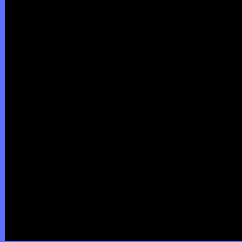
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1355, 0.1933, 0.1441

Background



This preview shows how black text looks on a background with the Yxy color 21.1355, 0.1933, 0.1441.

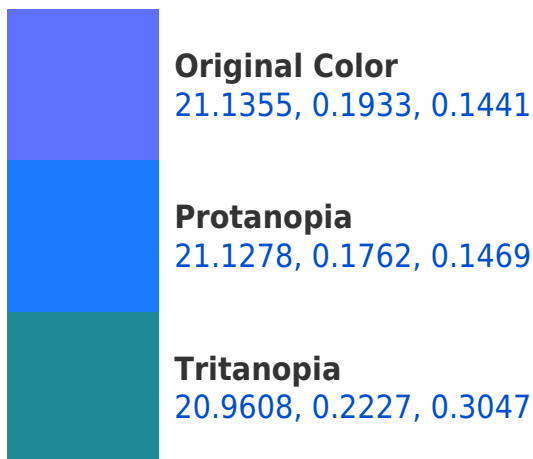


This preview shows how white text looks on a background with the Yxy color 21.1355, 0.1933, 0.1441.

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



Trichromacy



Original Color

21.1355, 0.1933, 0.1441

Protanomaly

20.8807, 0.1798, 0.1450

Tritanomaly

20.1047, 0.2059, 0.2244

Monochromacy



Original Color

21.1355, 0.1933, 0.1441

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.5787, 0.2533, 0.2404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1355, 0.1933, 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(93, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 112, 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(93, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 112, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.1355, 0.1933, 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(93, 112, 255) }
```

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

```
.border{ border-color:rgb(93, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 112,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 21.1355, 0.1933, 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(93, 112, 255) }
```

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

```
.background{ background-color: rgb(93, 112,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor