

Converting Colors

$Y_{xy}(21.4760, 0.1806, 0.1481)$

Have a look what the booklet for
Yxy(21.4760, 0.1806, 0.1481)
contains.

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Color

Yxy(21.3567, 0.1804, 0.1474)

Conversions

Conversions Part 1

Format	Color
Hex	3378FF
RGB	51, 120, 255
RGB Percent	20%, 47%, 100%
CMY	0.7999, 0.5295, 0.0000
CMYK	0.80, 0.53, 0.00, 0.00
HSL	220°, 100%, 60%
HSV	220°, 80%, 100%
XYZ	26.1381, 21.3567, 97.3947
YIQ	114.7590, -84.4590, 27.3570

Conversions

Conversions Part 2

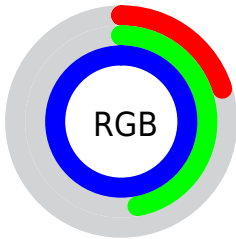
Format	Color
R _Y B	51, 103, 255
Decimal	3373311
CIE Lab	53.34, 26.28, -73.16
CIE LCh	53, 77.732, 289.759
Yxy	21.3567, 0.1804, 0.1474
Android (android.graphics.Color)	4281563391 (0xFF3378FF)
YUV	114.7590, 69.1388, -55.9166
Hunter-Lab	46.2133, 20.0855, -92.6045

Details

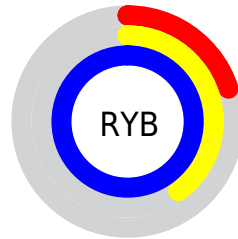
The Yxy color **21.3567, 0.1804, 0.1474** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **56.6294, 0.4679, 0.4460**, and the grayscale version is **16.8734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3142, 0.2274, 0.2253**, and **8.7963, 0.1659, 0.1171** is the 20% darker color. If you saturate the color by 10%, you get **17.1554, 0.1700, 0.1251**, and if you desaturate by 10%, it is **26.6306, 0.1938, 0.1720**.

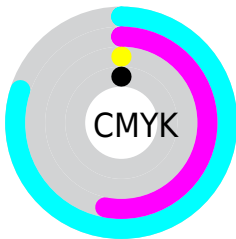
Distribution



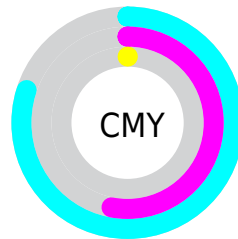
- Red (20%)
- Green (47%)
- Blue (100%)



- Red (20%)
- Yellow (40%)
- Blue (100%)



- Cyan (80%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3567, 0.1804, 0.1474 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 21.3567, 0.1804, 0.1474 by changing the saturation by 10% instead.


 21.3567, 0.1804,
0.1474


 21.3567, 0.1804,
0.1474


259.1681, 0.2489,
0.2339

 13.3850, 0.1641,
0.1287


 45.6804, 0.2050,
0.1769

 7.6942, 0.1441,
0.1069


 62.8012, 0.2144,
0.1886

 3.8999, 0.1196,
0.0817

 83.7405, 0.2223,
0.1988

 1.6177, 0.0900,
0.0537

 108.8827, 0.2292,
0.2077

 0.3695, 0.0563,
0.0207

138.6122, 0.2351,
0.2154

 0.0000, 0.0000,
0.0000

173.3133, 0.2403,

0.2223

213.3705, 0.2448,
0.2285

■ 21.3567, 0.1804,
0.1474

■ 21.3567, 0.1804,
0.1474

■ 17.1554, 0.1700,
0.1251

■ 26.6306, 0.1938,
0.1720

■ 13.9126, 0.1627,
0.1058

■ 33.0721, 0.2095,
0.1977

■ 13.9108, 0.1627,
0.1058

■ 40.7545, 0.2268,
0.2234

■ 49.7465, 0.2448,
0.2482

■ 60.1112, 0.2628,
0.2714

■ 71.9072, 0.2804,
0.2927

■ 85.1895, 0.2971,
0.3119

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.



21.3567, 0.1245, 0.1509



21.3567, 0.1804, 0.1474



21.3567, 0.2844, 0.1738

Triad

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



21.3567, 0.1804, 0.1474



21.3567, 0.5707, 0.3768



21.3567, 0.1826, 0.4663

Complementary

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



21.3567, 0.1804, 0.1474



56.6294, 0.4679, 0.4460

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.



21.3567, 0.2875, 0.5876



21.3567, 0.1804, 0.1474



21.3567, 0.5088, 0.4674

Square

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



21.3567, 0.1804, 0.1474



21.3567, 0.5472, 0.2985



21.3567, 0.4041, 0.5603



21.3567, 0.1209, 0.2954

Rectangle

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



21.3567, 0.1804, 0.1474



21.3567, 0.3788, 0.2070



21.3567, 0.4041, 0.5603



21.3567, 0.2141, 0.5215

Sweetspot

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



21.3540, 0.1804, 0.1474



67.0058, 0.2735, 0.2844



75.6684, 0.2559, 0.4234



13.4513, 0.2672, 0.2768



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.



21.3540, 0.1804, 0.1474



15.1095, 0.1654, 0.1131



11.3657, 0.1749, 0.0877



18.3815, 0.2979, 0.3128



7.5148, 0.1636, 0.1087



0.9243, 0.1698, 0.1311

Inverse Universe

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



24.9848, 0.5036, 0.2746



22.2712, 0.5557, 0.2857



87.6708, 0.3922, 0.5115



18.0884, 0.3241, 0.3210



11.4866, 0.5629, 0.2874



1.1379, 0.5311, 0.2700

Previews

White Background



This preview shows how the Yxy color 21.3567, 0.1804, 0.1474 looks on a white background.

Color Contrast Check

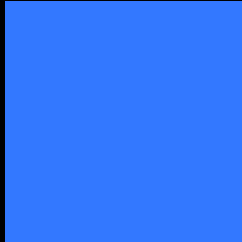
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3567, 0.1804, 0.1474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

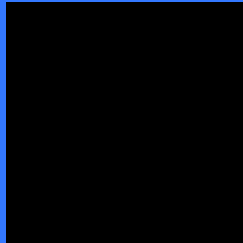
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

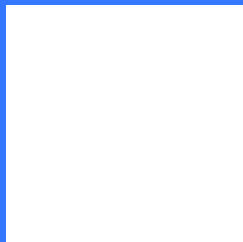
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3567, 0.1804, 0.1474

Background



This preview shows how black text looks on a background with the Yxy color 21.3567, 0.1804, 0.1474.



This preview shows how white text looks on a background with the Yxy color 21.3567, 0.1804, 0.1474.

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

21.3567, 0.1804, 0.1474

Protanopia

21.4151, 0.1770, 0.1484

Deuteranopia

21.0823, 0.1839, 0.1820



Tritanopia

20.9582, 0.2190, 0.3084

Trichromacy



Original Color

21.3567, 0.1804, 0.1474

Protanomaly

21.3068, 0.1779, 0.1476

Deuteranomaly

21.0583, 0.1814, 0.1681

Tritanomaly

20.5443, 0.1995, 0.2311

Monochromacy



Original Color

21.3567, 0.1804, 0.1474

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.7511, 0.2387, 0.2399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3567, 0.1804, 0.1474 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(51, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.3567, 0.1804, 0.1474 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(51, 120, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 120, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3567, 0.1804, 0.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 120, 255) }
```

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

```
.background{ background-color: rgb(51, 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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