

Converting Colors

$Yxy(21.5489, 0.1840, 0.1500)$

Have a look what the booklet for
Yxy(21.5489, 0.1840, 0.1500)
contains.

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Color

Yxy(21.5489, 0.1840, 0.1500)

Conversions

Conversions Part 1

Format	Color
Hex	3E78FD
RGB	62, 120, 253
RGB Percent	24%, 47%, 99%
CMY	0.7565, 0.5294, 0.0079
CMYK	0.75, 0.53, 0.00, 0.01
HSL	222°, 98%, 62%
HSV	222°, 75%, 99%
XYZ	26.4333, 21.5489, 95.6771
YIQ	117.8200, -77.2610, 29.0670

Conversions

Conversions Part 2

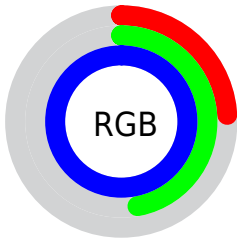
Format	Color
R _Y B	62, 106, 253
Decimal	4094205
CIE _{Lab}	53.55, 26.60, -71.66
CIE _{LCh}	54, 76.438, 290.369
Yxy	21.5489, 0.1840, 0.1500
Android (android.graphics.Color)	4282284285 (0xFF3E78FD)
YUV	117.8200, 66.6437, -48.9541
Hunter-Lab	46.4208, 20.4066, -89.7071

Details

The Yxy color **21.5489, 0.1840, 0.1500** 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 **60.2888, 0.4539, 0.4493**, and the grayscale version is **17.8708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7934, 0.2306, 0.2261**, and **8.7052, 0.1662, 0.1183** is the 20% darker color. If you saturate the color by 10%, you get **17.0561, 0.1720, 0.1261**, and if you desaturate by 10%, it is **27.2033, 0.1989, 0.1761**.

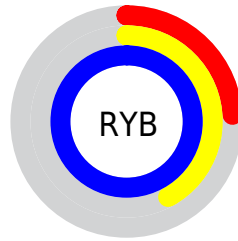
Distribution



Red (24%)

Green (47%)

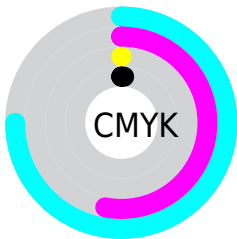
Blue (99%)



Red (24%)

Yellow (42%)

Blue (99%)

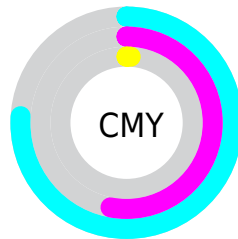


Cyan (75%)

Magenta (53%)

Yellow (0%)

Black (1%)



Cyan (76%)


Magenta (53%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5489, 0.1840, 0.1500 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 21.5489, 0.1840, 0.1500 by changing the saturation by 10% instead.


 21.5489, 0.1840,
0.1500


 21.5489, 0.1840,
0.1500


260.1814, 0.2509,
0.2355


 13.5258, 0.1679,
0.1314


 45.9993, 0.2081,
0.1793


 7.7916, 0.1482,
0.1096


 63.1954, 0.2173,
0.1908

 3.9619, 0.1238,
0.0843

 84.2179, 0.2251,
0.2009

 1.6523, 0.0940,
0.0560

 109.4513, 0.2317,
0.2096

 0.3925, 0.0597,
0.0226

139.2800, 0.2375,
0.2173

 0.0000, 0.0000,
0.0000

174.0883, 0.2425,

0.2241

214.2606, 0.2469,
0.2301

■ 21.5489, 0.1840,
0.1500

■ 21.5489, 0.1840,
0.1500

■ 17.0561, 0.1720,
0.1261

■ 27.2033, 0.1989,
0.1761

■ 13.6227, 0.1634,
0.1055

■ 34.1039, 0.2159,
0.2031

■ 12.3627, 0.1604,
0.0974

■ 42.3281, 0.2340,
0.2297

■ 51.9460, 0.2525,
0.2552

■ 63.0223, 0.2707,
0.2788

■ 75.6174, 0.2881,
0.3003

■ 89.7882, 0.3043,
0.3195

99.8706, 0.3139,
0.3309

Harmonies

Analogous

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



21.5489, 0.1276, 0.1530



21.5489, 0.1840, 0.1500



21.5489, 0.2877, 0.1767

Triad

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



21.5489, 0.1840, 0.1500



21.5489, 0.5664, 0.3792



21.5489, 0.1833, 0.4598

Complementary

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



21.5489, 0.1840, 0.1500



60.2888, 0.4539, 0.4493

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.



21.5489, 0.2867, 0.5811



21.5489, 0.1840, 0.1500



21.5489, 0.5051, 0.4688

Square

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



21.5489, 0.1840, 0.1500



21.5489, 0.5444, 0.3011



21.5489, 0.4018, 0.5586



21.5489, 0.1230, 0.2937

Rectangle

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



21.5489, 0.1840, 0.1500



21.5489, 0.3807, 0.2100



21.5489, 0.4018, 0.5586



21.5489, 0.2143, 0.5141

Sweetspot

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



21.5495, 0.1840, 0.1500



67.1680, 0.2750, 0.2842



75.0939, 0.2537, 0.4081



13.4375, 0.2686, 0.2761



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.



21.5495, 0.1840, 0.1500



15.2911, 0.1667, 0.1141



13.0911, 0.1853, 0.0994



18.2762, 0.2979, 0.3120



6.8006, 0.1612, 0.1001



0.8446, 0.1673, 0.1221

Inverse Universe

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



25.6894, 0.4979, 0.2804



22.6673, 0.5531, 0.2879



85.4892, 0.3862, 0.5087



18.0778, 0.3246, 0.3218



11.4145, 0.5757, 0.2945



1.1298, 0.5436, 0.2768

Previews

White Background



This preview shows how the Yxy color 21.5489, 0.1840, 0.1500 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 21.5489, 0.1840, 0.1500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

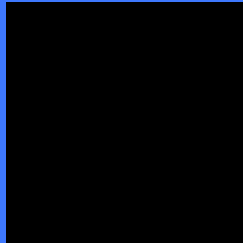
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5489, 0.1840, 0.1500

Background



This preview shows how black text looks on a background with the Yxy color 21.5489, 0.1840, 0.1500.



This preview shows how white text looks on a background with the Yxy color 21.5489, 0.1840, 0.1500.

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

21.5489, 0.1840, 0.1500

Protanopia

21.4964, 0.1777, 0.1487

Deuteranopia

21.4563, 0.1838, 0.1817



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.5489, 0.1840, 0.1500

Protanomaly

21.3884, 0.1796, 0.1488

Deuteranomaly

21.1600, 0.1817, 0.1675

Tritanomaly

20.5881, 0.2002, 0.2313

Monochromacy



Original Color

21.5489, 0.1840, 0.1500

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.5803, 0.2437, 0.2433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5489, 0.1840, 0.1500 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(62, 120, 253)` looks like.

```
.text, #text, p{  
    color:rgb(62, 120, 253)  
}
```

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(62, 120, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 120, 253) }
```

Border

The CSS property to change the border of an element to Yxy 21.5489, 0.1840, 0.1500 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(62, 120, 253) }
```

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

```
.border{ border-color:rgb(62, 120, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 120, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 120, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 120, 253);  
box-shadow:4px 4px 4px 4px rgb(62, 120,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5489, 0.1840, 0.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 120, 253) }
```

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

```
.background{ background-color: rgb(62, 120,  
253) }
```

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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