

Converting Colors

$Yxy(21.5913, 0.1987, 0.1692)$

Have a look what the booklet for
Yxy(21.5913, 0.1987, 0.1692)
contains.

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Color

Yxy(21.5001, 0.1988, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	5479EA
RGB	84, 121, 234
RGB Percent	33%, 47%, 92%
CMY	0.6703, 0.5256, 0.0823
CMYK	0.64, 0.48, 0.00, 0.08
HSL	225°, 78%, 62%
HSV	225°, 64%, 92%
XYZ	25.3512, 21.5001, 80.6700
YIQ	122.8190, -58.3250, 27.2990

Conversions

Conversions Part 2

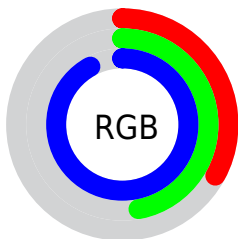
Format	Color
R _Y B	84, 114, 234
Decimal	5536234
CIE Lab	53.49, 22.32, -61.16
CIE LCh	53, 65.103, 290.046
Yxy	21.5001, 0.1988, 0.1686
Android (android.graphics.Color)	4283726314 (0xFF5479EA)
YUV	122.8190, 54.8122, -34.0443
Hunter-Lab	46.3682, 16.4483, -70.6932

Details

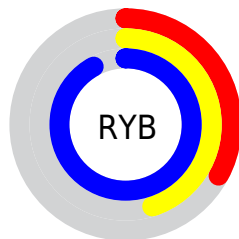
The Yxy color **21.5001, 0.1988, 0.1686** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **58.1183, 0.4260, 0.4459**, and the grayscale version is **19.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2181, 0.2377, 0.2291**, and **7.9394, 0.1696, 0.1305** is the 20% darker color. If you saturate the color by 10%, you get **16.6922, 0.1830, 0.1411**, and if you desaturate by 10%, it is **27.4539, 0.2167, 0.1973**.

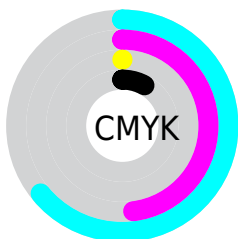
Distribution



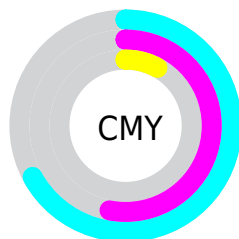
- Red (33%)
- Green (47%)
- Blue (92%)



- Red (33%)
- Yellow (45%)
- Blue (92%)



- Cyan (64%)
- Magenta (48%)
- Yellow (0%)
- Black (8%)




- Cyan (67%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5001, 0.1988, 0.1686 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 21.5001, 0.1988, 0.1686 by changing the saturation by 10% instead.


 21.5001, 0.1988,
0.1686


 21.5001, 0.1988,
0.1686


259.9244, 0.2593,
0.2478


 13.4900, 0.1836,
0.1504


 45.9184, 0.2211,
0.1965

 7.7669, 0.1645,
0.1284

 63.0954, 0.2294,
0.2073

 3.9461, 0.1400,
0.1018

 84.0968, 0.2364,
0.2165

 1.6435, 0.1089,
0.0705

 109.3071, 0.2423,
0.2245

 0.3866, 0.0710,
0.0300

139.1106, 0.2475,
0.2315

 0.0000, 0.0000,
0.0000

173.8917, 0.2519,

0.2376

214.0349, 0.2558,
0.2430

■ 21.5001, 0.1988,
0.1686

■ 21.5001, 0.1988,
0.1686

■ 16.6922, 0.1830,
0.1411

■ 27.4539, 0.2167,
0.1973

■ 12.9480, 0.1702,
0.1164

■ 34.6236, 0.2355,
0.2257

■ 10.1756, 0.1611,
0.0958

■ 43.0755, 0.2545,
0.2529

■ 8.9284, 0.1572,
0.0859

■ 52.8703, 0.2730,
0.2781

■ 64.0648, 0.2904,
0.3010

■ 76.7123, 0.3065,
0.3214

■ 90.8633, 0.3213,
0.3394

■ 98.7216, 0.3250,
0.3493

Harmonies

Analogous

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



21.5001, 0.1464, 0.1728



21.5001, 0.1988, 0.1686



21.5001, 0.2912, 0.1930

Triad

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



21.5001, 0.1988, 0.1686



21.5001, 0.5363, 0.3813



21.5001, 0.2031, 0.4403

Complementary

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



21.5001, 0.1988, 0.1686



58.1183, 0.4260, 0.4459

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.



21.5001, 0.2973, 0.5403



21.5001, 0.1988, 0.1686



21.5001, 0.4890, 0.4606

Square

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



21.5001, 0.1988, 0.1686



21.5001, 0.5112, 0.3080



21.5001, 0.4005, 0.5316



21.5001, 0.1453, 0.3033

Rectangle

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



21.5001, 0.1988, 0.1686



21.5001, 0.3711, 0.2235



21.5001, 0.4005, 0.5316



21.5001, 0.2316, 0.4837

Sweetspot

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



21.5007, 0.1988, 0.1686



70.8112, 0.2818, 0.2898



64.7548, 0.2527, 0.3795



14.3354, 0.2768, 0.2832



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.



21.5007, 0.1988, 0.1686



18.6514, 0.1784, 0.1326



16.3990, 0.2130, 0.1344



15.1512, 0.2980, 0.3107



5.1823, 0.1579, 0.0883



0.5547, 0.1651, 0.1142

Inverse Universe

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



25.2277, 0.4684, 0.2913



25.4133, 0.5207, 0.2912



71.3054, 0.3731, 0.4932



15.1149, 0.3254, 0.3232



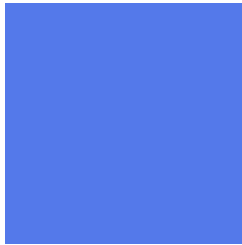
10.0160, 0.5939, 0.3045



0.8014, 0.5549, 0.2830

Previews

White Background



This preview shows how the Yxy color 21.5001, 0.1988, 0.1686 looks on a white background.

Color Contrast Check

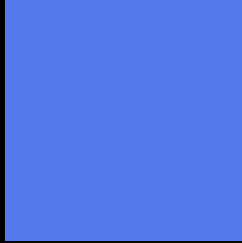
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5001, 0.1988, 0.1686 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 21.5001, 0.1988, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 21.5001, 0.1988, 0.1686.



This preview shows how white text looks on a background with the Yxy color 21.5001, 0.1988, 0.1686.

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

21.5001, 0.1988, 0.1686

Protanopia

21.4510, 0.1919, 0.1672

Deuteranopia

21.3577, 0.1826, 0.1773



Tritanopia

21.3805, 0.2244, 0.3049

Trichromacy



Original Color

21.5001, 0.1988, 0.1686

Protanomaly

21.3731, 0.1942, 0.1675

Deuteranomaly

20.9825, 0.1842, 0.1721

Tritanomaly

20.9093, 0.2115, 0.2416

Monochromacy



Original Color

21.5001, 0.1988, 0.1686

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8146, 0.2577, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5001, 0.1988, 0.1686 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(84, 121, 234)` looks like.

```
.text, #text, p{  
  color:rgb(84, 121, 234)  
}
```

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(84, 121, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 121, 234) }
```

Border

The CSS property to change the border of an element to Yxy 21.5001, 0.1988, 0.1686 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(84, 121, 234) }
```

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

```
.border{ border-color:rgb(84, 121, 234) }
```

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

Here you see how a box with a 4 pixel rgb(84, 121, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 121, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 121, 234);  
box-shadow:4px 4px 4px 4px rgb(84, 121,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5001, 0.1988, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 121, 234) }
```

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

```
.background{ background-color: rgb(84, 121,  
234) }
```

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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