

Converting Colors

$Y_{xy}(22.0958, 0.1867, 0.1504)$

Have a look what the booklet for
Yxy(22.0958, 0.1867, 0.1504)
contains.

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Color

Yxy(21.9925, 0.1865, 0.1498)

Conversions

Conversions Part 1

Format	Color
Hex	4778FF
RGB	71, 120, 255
RGB Percent	28%, 47%, 100%
CMY	0.7207, 0.5296, 0.0000
CMYK	0.72, 0.53, 0.00, 0.00
HSL	224°, 100%, 64%
HSV	224°, 72%, 100%
XYZ	27.3805, 21.9925, 97.4394
YIQ	120.7390, -72.5390, 31.5970

Conversions

Conversions Part 2

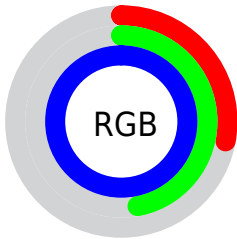
Format	Color
R _Y B	71, 110, 255
Decimal	4684031
CIE Lab	54.02, 28.41, -72.01
CIE LCh	54, 77.413, 291.534
Yxy	21.9925, 0.1865, 0.1498
Android (android.graphics.Color)	4282874111 (0xFF4778FF)
YUV	120.7390, 66.1907, -43.6211
Hunter-Lab	46.8962, 22.1497, -90.3636

Details

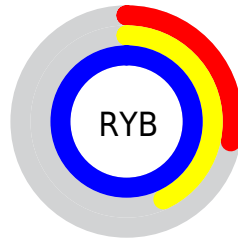
The Yxy color **21.9925, 0.1865, 0.1498** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **65.9832, 0.4424, 0.4525**, and the grayscale version is **18.8461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3878, 0.2346, 0.2271**, and **8.7963, 0.1659, 0.1171** is the 20% darker color. If you saturate the color by 10%, you get **17.1448, 0.1732, 0.1246**, and if you desaturate by 10%, it is **28.1229, 0.2026, 0.1773**.

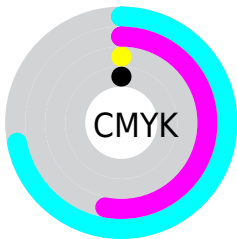
Distribution



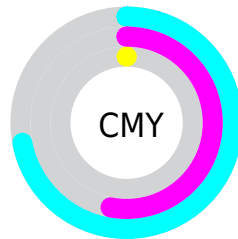
- Red (28%)
- Green (47%)
- Blue (100%)



- Red (28%)
- Yellow (43%)
- Blue (100%)



- Cyan (72%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9925, 0.1865, 0.1498 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 21.9925, 0.1865, 0.1498 by changing the saturation by 10% instead.


 21.9925, 0.1865,
0.1498


 21.9925, 0.1865,
0.1498


262.5071, 0.2521,
0.2350


 13.8514, 0.1707,
0.1314


 46.7336, 0.2101,
0.1789

 8.0174, 0.1513,
0.1098


 64.1024, 0.2191,
0.1904

 4.1061, 0.1273,
0.0848


 85.3158, 0.2268,
0.2004

 1.7331, 0.0979,
0.0568

 110.7584, 0.2333,
0.2091

 0.4449, 0.0636,
0.0247

140.8144, 0.2390,
0.2167

 0.0000, 0.0066,
0.0000

175.8682, 0.2439,

 0.0000, 0.0000,

0.2235

0.0000

216.3043, 0.2482,
0.2296

■ 21.9925, 0.1865,
0.1498

■ 21.9925, 0.1865,
0.1498

■ 17.1448, 0.1732,
0.1246

■ 28.1229, 0.2026,
0.1773

■ 13.4791, 0.1634,
0.1029

■ 35.6338, 0.2206,
0.2056

■ 11.3100, 0.1581,
0.0890

■ 44.6063, 0.2394,
0.2333

■ 55.1167, 0.2582,
0.2596

■ 67.2355, 0.2765,
0.2839

■ 81.0285, 0.2937,
0.3058

■ 96.5581, 0.3096,
0.3253

■ 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.



21.9925, 0.1283, 0.1515



21.9925, 0.1865, 0.1498



21.9925, 0.2925, 0.1777

Triad

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



21.9925, 0.1865, 0.1498



21.9925, 0.5664, 0.3822



21.9925, 0.1793, 0.4538

Complementary

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



21.9925, 0.1865, 0.1498



65.9832, 0.4424, 0.4525

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.



21.9925, 0.2818, 0.5808



21.9925, 0.1865, 0.1498



21.9925, 0.5021, 0.4727

Square

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



21.9925, 0.1865, 0.1498



21.9925, 0.5485, 0.3037



21.9925, 0.3973, 0.5624



21.9925, 0.1208, 0.2880

Rectangle

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



21.9925, 0.1865, 0.1498



21.9925, 0.3868, 0.2117



21.9925, 0.3973, 0.5624



21.9925, 0.2098, 0.5095

Sweetspot

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



21.9908, 0.1865, 0.1498



67.3299, 0.2766, 0.2840



77.3235, 0.2507, 0.3914



13.6724, 0.2718, 0.2777



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.



21.9908, 0.1865, 0.1498



15.5710, 0.1689, 0.1156



15.3377, 0.1966, 0.1106



18.1612, 0.2979, 0.3110



6.1163, 0.1588, 0.0916



0.7654, 0.1647, 0.1128

Inverse Universe

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



27.1488, 0.4959, 0.2871



23.3094, 0.5489, 0.2916



85.9921, 0.3786, 0.5079



18.0662, 0.3252, 0.3227



11.3454, 0.5887, 0.3017



1.1218, 0.5569, 0.2842

Previews

White Background



This preview shows how the Yxy color 21.9925, 0.1865, 0.1498 looks on a white background.

Color Contrast Check

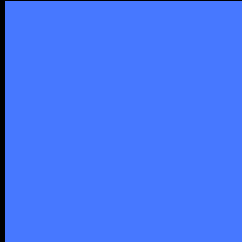
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9925, 0.1865, 0.1498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

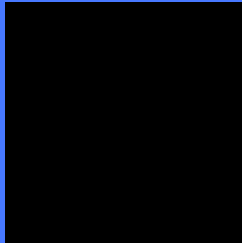
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

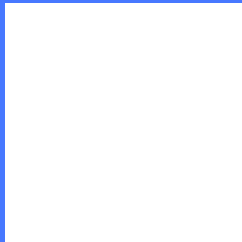
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9925, 0.1865, 0.1498

Background



This preview shows how black text looks on a background with the Yxy color 21.9925, 0.1865, 0.1498.



This preview shows how white text looks on a background with the Yxy color 21.9925, 0.1865, 0.1498.

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

21.9925, 0.1865, 0.1498

Protanopia

22.1067, 0.1795, 0.1517

Deuteranopia

21.8340, 0.1837, 0.1813



Tritanopia

21.6459, 0.2185, 0.3067

Trichromacy



Original Color

21.9925, 0.1865, 0.1498

Protanomaly

22.1160, 0.1817, 0.1513

Deuteranomaly

21.5714, 0.1820, 0.1674

Tritanomaly

20.9875, 0.2004, 0.2305

Monochromacy



Original Color

21.9925, 0.1865, 0.1498

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4606, 0.2464, 0.2436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9925, 0.1865, 0.1498 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(71, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.9925, 0.1865, 0.1498 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(71, 120, 255) }
```

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

```
.border{ border-color:rgb(71, 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(71, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9925, 0.1865, 0.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 120, 255) }
```

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

```
.background{ background-color: rgb(71, 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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