

Converting Colors

$Yxy(23.5940, 0.1815, 0.1391)$

Have a look what the booklet for
Yxy(23.5940, 0.1815, 0.1391)
contains.

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Color

Yxy(22.1968, 0.1864, 0.1509)

Conversions

Conversions Part 1

Format	Color
Hex	4679FF
RGB	70, 121, 255
RGB Percent	27%, 47%, 100%
CMY	0.7254, 0.5255, 0.0000
CMYK	0.73, 0.53, 0.00, 0.00
HSL	223°, 100%, 64%
HSV	223°, 73%, 100%
XYZ	27.4187, 22.1968, 97.4806
YIQ	121.0270, -73.4100, 30.8620

Conversions

Conversions Part 2

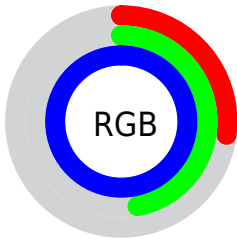
Format	Color
R _Y B	70, 110, 255
Decimal	4618751
CIE Lab	54.24, 27.64, -71.66
CIE LCh	54, 76.809, 291.088
Yxy	22.1968, 0.1864, 0.1509
Android (android.graphics.Color)	4282808831 (0xFF4679FF)
YUV	121.0270, 66.0487, -44.7507
Hunter-Lab	47.1135, 21.4334, -89.6951

Details

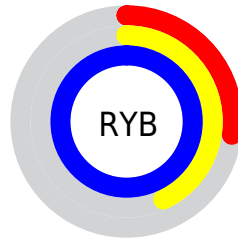
The Yxy color **22.1968, 0.1864, 0.1509** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **64.9039, 0.4447, 0.4513**, and the grayscale version is **18.9302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6826, 0.2342, 0.2282**, and **8.7963, 0.1659, 0.1171** is the 20% darker color. If you saturate the color by 10%, you get **17.3713, 0.1733, 0.1259**, and if you desaturate by 10%, it is **28.2803, 0.2023, 0.1781**.

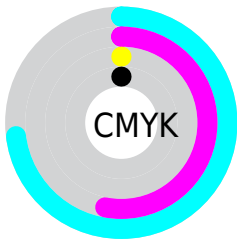
Distribution



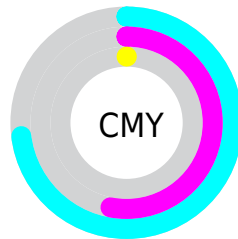
- Red (27%)
- Green (47%)
- Blue (100%)



- Red (27%)
- Yellow (43%)
- Blue (100%)



- Cyan (73%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1968, 0.1864, 0.1509 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 22.1968, 0.1864, 0.1509 by changing the saturation by 10% instead.


 22.1968, 0.1864,
0.1509


 22.1968, 0.1864,
0.1509


263.5723, 0.2519,
0.2356


 14.0016, 0.1707,
0.1326


 47.0710, 0.2100,
0.1798

 8.1218, 0.1513,
0.1110


 64.5189, 0.2190,
0.1913

 4.1730, 0.1273,
0.0860


 85.8197, 0.2266,
0.2012

 1.7708, 0.0980,
0.0579

 111.3579, 0.2332,
0.2099

 0.4689, 0.0637,
0.0259

141.5178, 0.2388,
0.2175

 0.0000, 0.0070,
0.0000

176.6839, 0.2437,

 0.0000, 0.0000,

0.2243

0.0000

217.2406, 0.2481,
0.2303

■ 22.1968, 0.1864,
0.1509

■ 22.1968, 0.1864,
0.1509

■ 17.3713, 0.1733,
0.1259

■ 28.2803, 0.2023,
0.1781

■ 13.7056, 0.1637,
0.1044

■ 35.7185, 0.2201,
0.2060

■ 11.6329, 0.1587,
0.0911

■ 44.5907, 0.2388,
0.2335

■ 54.9715, 0.2575,
0.2595

■ 66.9298, 0.2757,
0.2835

■ 80.5303, 0.2929,
0.3051

■ 95.8337, 0.3089,
0.3245

■ 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.



22.1968, 0.1291, 0.1532



22.1968, 0.1864, 0.1509



22.1968, 0.2909, 0.1783

Triad

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



22.1968, 0.1864, 0.1509



22.1968, 0.5648, 0.3813



22.1968, 0.1819, 0.4549

Complementary

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



22.1968, 0.1864, 0.1509



64.9039, 0.4447, 0.4513

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.



22.1968, 0.2843, 0.5786



22.1968, 0.1864, 0.1509



22.1968, 0.5024, 0.4709

Square

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



22.1968, 0.1864, 0.1509



22.1968, 0.5451, 0.3032



22.1968, 0.3991, 0.5595



22.1968, 0.1229, 0.2907

Rectangle

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



22.1968, 0.1864, 0.1509



22.1968, 0.3839, 0.2119



22.1968, 0.3991, 0.5595



22.1968, 0.2125, 0.5094

Sweetspot

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



22.1948, 0.1864, 0.1509



67.6226, 0.2767, 0.2847



77.1151, 0.2518, 0.3961



13.7406, 0.2718, 0.2784



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.



22.1948, 0.1864, 0.1509



15.6004, 0.1686, 0.1158



14.9244, 0.1938, 0.1084



18.1922, 0.2979, 0.3113



6.2911, 0.1594, 0.0938



0.7860, 0.1654, 0.1153

Inverse Universe

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



27.0232, 0.4949, 0.2852



23.1692, 0.5491, 0.2903



86.3976, 0.3809, 0.5073



18.0693, 0.3251, 0.3225



11.3631, 0.5853, 0.2998



1.1239, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 22.1968, 0.1864, 0.1509 looks on a white background.

Color Contrast Check

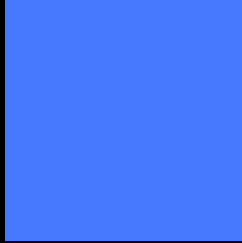
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1968, 0.1864, 0.1509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

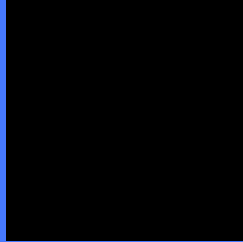
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

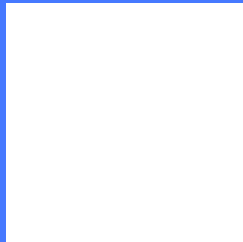
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1968, 0.1864, 0.1509

Background



This preview shows how black text looks on a background with the Yxy color 22.1968, 0.1864, 0.1509.



This preview shows how white text looks on a background with the Yxy color 22.1968, 0.1864, 0.1509.

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

22.1968, 0.1864, 0.1509

Protanopia

22.1708, 0.1802, 0.1519

Deuteranopia

22.1597, 0.1839, 0.1820



Tritanopia

21.9448, 0.2191, 0.3088

Trichromacy



Original Color

22.1968, 0.1864, 0.1509

Protanomaly

22.1428, 0.1819, 0.1514

Deuteranomaly

21.8181, 0.1823, 0.1688

Tritanomaly

21.2523, 0.2007, 0.2324

Monochromacy



Original Color

22.1968, 0.1864, 0.1509

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4018, 0.2455, 0.2434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1968, 0.1864, 0.1509 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(70, 121, 255)` looks like.

```
.text, #text, p{  
  color:rgb(70, 121, 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(70, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 121, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.1968, 0.1864, 0.1509 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(70, 121, 255) }
```

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

```
.border{ border-color:rgb(70, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 121,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1968, 0.1864, 0.1509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 121, 255) }
```

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

```
.background{ background-color: rgb(70, 121,  
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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