

Converting Colors

$Y_{xy}(22.9100, 0.1853, 0.1549)$

Have a look what the booklet for
Yxy(22.9100, 0.1853, 0.1549)
contains.

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Color

Yxy(22.9440, 0.1854, 0.1551)

Conversions

Conversions Part 1

Format	Color
Hex	3F7DFF
RGB	63, 125, 255
RGB Percent	25%, 49%, 100%
CMY	0.7531, 0.5097, 0.0001
CMYK	0.75, 0.51, 0.00, 0.00
HSL	221°, 100%, 62%
HSV	221°, 75%, 100%
XYZ	27.4263, 22.9440, 97.5601
YIQ	121.2820, -78.6820, 27.2860

Conversions

Conversions Part 2

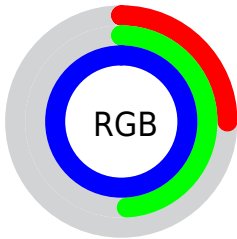
Format	Color
R _Y B	63, 110, 255
Decimal	4161023
CIE Lab	55.01, 24.31, -70.37
CIE LCh	55, 74.453, 289.055
Yxy	22.9440, 0.1854, 0.1551
Android (android.graphics.Color)	4282351103 (0xFF3F7DFF)
YUV	121.2820, 65.9230, -51.1133
Hunter-Lab	47.8999, 18.3798, -87.2289

Details

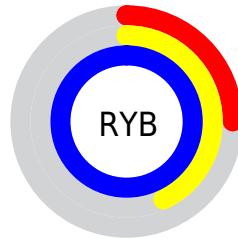
The Yxy color **22.9440, 0.1854, 0.1551** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **59.7113, 0.4569, 0.4460**, and the grayscale version is **19.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8152, 0.2324, 0.2326**, and **9.3390, 0.1675, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **18.2944, 0.1735, 0.1313**, and if you desaturate by 10%, it is **28.7420, 0.2001, 0.1807**.

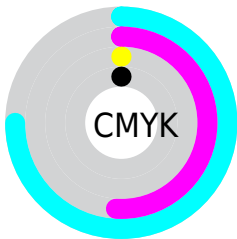
Distribution



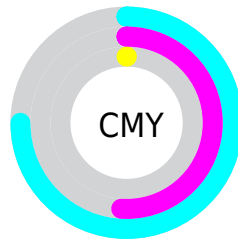
- Red (25%)
- Green (49%)
- Blue (100%)



- Red (25%)
- Yellow (43%)
- Blue (100%)



- Cyan (75%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9440, 0.1854, 0.1551 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 22.9440, 0.1854, 0.1551 by changing the saturation by 10% instead.


 22.9440, 0.1854,
0.1551

 22.9440, 0.1854,
0.1551


267.4372, 0.2510,
0.2382


 14.5522, 0.1697,
0.1370


 48.3014, 0.2090,
0.1836

 8.5057, 0.1504,
0.1156


 66.0357, 0.2180,
0.1948

 4.4202, 0.1266,
0.0905


 87.6529, 0.2256,
0.2046

 1.9113, 0.0975,
0.0621

 113.5375, 0.2322,
0.2131

 0.5551, 0.0634,
0.0305

144.0739, 0.2378,
0.2205

 0.0000, 0.0070,
0.0000

179.6463, 0.2428,

 0.0000, 0.0000,

0.2271

0.0000

220.6393, 0.2472,
0.2329

■ 22.9440, 0.1854,
0.1551

■ 22.9440, 0.1854,
0.1551

■ 18.2944, 0.1735,
0.1313

■ 28.7420, 0.2001,
0.1807

■ 14.6934, 0.1648,
0.1106

■ 35.7705, 0.2169,
0.2071

■ 13.3135, 0.1617,
0.1021

■ 44.1048, 0.2348,
0.2330

■ 53.8130, 0.2531,
0.2577

■ 64.9580, 0.2711,
0.2806

■ 77.5988, 0.2883,
0.3014

■ 91.7904, 0.3046,
0.3200

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



22.9440, 0.1318, 0.1598



22.9440, 0.1854, 0.1551



22.9440, 0.2838, 0.1800

Triad

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



22.9440, 0.1854, 0.1551



22.9440, 0.5583, 0.3769



22.9440, 0.1929, 0.4602

Complementary

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



22.9440, 0.1854, 0.1551



59.7113, 0.4569, 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.



22.9440, 0.2947, 0.5702



22.9440, 0.1854, 0.1551



22.9440, 0.5040, 0.4631

Square

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



22.9440, 0.1854, 0.1551



22.9440, 0.5312, 0.3004



22.9440, 0.4063, 0.5479



22.9440, 0.1312, 0.3022

Rectangle

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



22.9440, 0.1854, 0.1551



22.9440, 0.3721, 0.2118



22.9440, 0.4063, 0.5479



22.9440, 0.2238, 0.5100

Sweetspot

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



22.9446, 0.1854, 0.1551



67.7595, 0.2751, 0.2856



76.3126, 0.2551, 0.4125



13.5783, 0.2687, 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.



22.9446, 0.1854, 0.1551



16.4851, 0.1690, 0.1212



13.1993, 0.1837, 0.0988



18.3362, 0.2979, 0.3124



7.1974, 0.1625, 0.1050



0.8892, 0.1687, 0.1272

Inverse Universe

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



26.2850, 0.4916, 0.2767



22.8906, 0.5427, 0.2831



87.5378, 0.3884, 0.5070



18.0838, 0.3243, 0.3213



11.4545, 0.5685, 0.2905



1.1343, 0.5365, 0.2729

Previews

White Background



This preview shows how the Yxy color 22.9440, 0.1854, 0.1551 looks on a white background.

Color Contrast Check

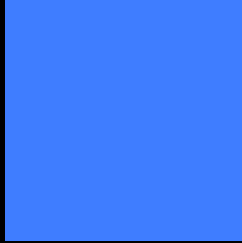
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9440, 0.1854, 0.1551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

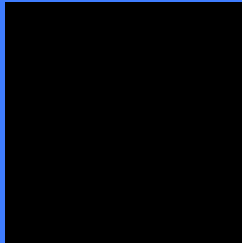
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

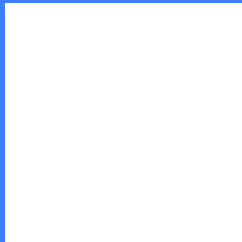
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9440, 0.1854, 0.1551

Background



This preview shows how black text looks on a background with the Yxy color 22.9440, 0.1854, 0.1551.



This preview shows how white text looks on a background with the Yxy color 22.9440, 0.1854, 0.1551.

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

22.9440, 0.1854, 0.1551

Protanopia

22.8718, 0.1827, 0.1552

Deuteranopia

22.9334, 0.1837, 0.1813

Trichromacy



Original Color

22.9440, 0.1854, 0.1551

Protanomaly

22.9825, 0.1837, 0.1556

Deuteranomaly

22.7656, 0.1825, 0.1706

Monochromacy



Original Color

22.9440, 0.1854, 0.1551

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5307, 0.2441, 0.2448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9440, 0.1854, 0.1551 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(63, 125, 255)` looks like.

```
.text, #text, p{  
  color:rgb(63, 125, 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(63, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.9440, 0.1854, 0.1551 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(63, 125, 255) }
```

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

```
.border{ border-color:rgb(63, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 125,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 22.9440, 0.1854, 0.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 125, 255) }
```

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

```
.background{ background-color: rgb(63, 125,  
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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