

Converting Colors

$Y_{xy}(30.3471, 0.2191, 0.1845)$

Have a look what the booklet for
Yxy(30.3471, 0.2191, 0.1845)
contains.

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Color

Yxy(30.4240, 0.2194, 0.1853)

Conversions

Conversions Part 1

Format	Color
Hex	7F8CFE
RGB	127, 140, 254
RGB Percent	50%, 55%, 100%
CMY	0.5018, 0.4510, 0.0039
CMYK	0.50, 0.45, 0.00, 0.00
HSL	234°, 98%, 75%
HSV	234°, 50%, 100%
XYZ	36.0228, 30.4240, 97.7410
YIQ	149.1090, -44.3420, 32.6980

Conversions

Conversions Part 2

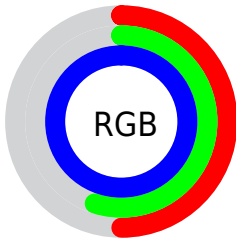
Format	Color
RYB	127, 139, 254
Decimal	8359166
CIELab	62.02, 25.55, -58.42
CIELCh	62, 63.761, 293.627
Yxy	30.4240, 0.2194, 0.1853
Android (android.graphics.Color)	4286549246 (0xFF7F8CFE)
YUV	149.1090, 51.7113, -19.3896
Hunter-Lab	55.1580, 20.0492, -66.4525

Details

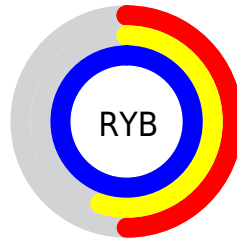
The Yxy color **30.4240, 0.2194, 0.1853** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.5371, 0.3920, 0.4402**, and the grayscale version is **29.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7990, 0.2662, 0.2589**, and **12.4674, 0.1923, 0.1506** is the 20% darker color. If you saturate the color by 10%, you get **22.7257, 0.1994, 0.1525**, and if you desaturate by 10%, it is **39.9970, 0.2401, 0.2184**.

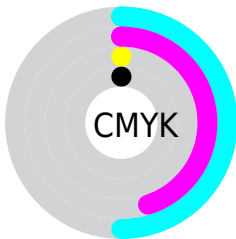
Distribution



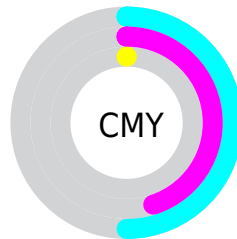
- Red (50%)
- Green (55%)
- Blue (100%)



- Red (50%)
- Yellow (55%)
- Blue (100%)



- Cyan (50%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4240, 0.2194, 0.1853 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 30.4240, 0.2194, 0.1853 by changing the saturation by 10% instead.


 30.4240, 0.2194,
0.1853


 30.4240, 0.2194,
0.1853


303.8758, 0.2674,
0.2536


 20.1606, 0.2076,
0.1700


 60.3321, 0.2368,
0.2089

 12.5119, 0.1928,
0.1515


 80.7456, 0.2434,
0.2181

 7.0933, 0.1739,
0.1290


 105.3112, 0.2490,
0.2261

 3.5205, 0.1493,
0.1017

134.4134, 0.2537,
0.2330

 1.4091, 0.1171,
0.0693

168.4366, 0.2578,
0.2391

 0.2234, 0.0773,
0.0207

207.7652, 0.2614,

 0.0000, 0.0000,

0.2445

0.0000

252.7834, 0.2646,
0.2493

■ 30.4240, 0.2194,
0.1853

■ 30.4240, 0.2194,
0.1853

■ 22.7257, 0.1994,
0.1525

■ 39.9970, 0.2401,
0.2184

■ 16.7753, 0.1814,
0.1221

■ 51.5540, 0.2605,
0.2501

■ 12.4353, 0.1669,
0.0964

■ 65.1994, 0.2796,
0.2794

■ 9.5454, 0.1570,
0.0773

■ 81.0294, 0.2971,
0.3058

■ 7.8932, 0.1515,
0.0655

■ 99.1344, 0.3127,
0.3290

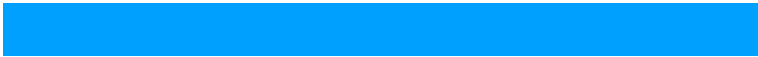
■ 7.8918, 0.1515,
0.0655

99.9359, 0.3133,
0.3300

Harmonies

Analogous

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



30.4240, 0.1664, 0.1866



30.4240, 0.2194, 0.1853



30.4240, 0.3068, 0.2107

Triad

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



30.4240, 0.2194, 0.1853



30.4240, 0.5100, 0.3897



30.4240, 0.2087, 0.4109

Complementary

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



30.4240, 0.2194, 0.1853



85.5371, 0.3920, 0.4402

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.



30.4240, 0.2916, 0.5043



30.4240, 0.2194, 0.1853



30.4240, 0.4656, 0.4602

Square

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



30.4240, 0.2194, 0.1853



30.4240, 0.4933, 0.3210



30.4240, 0.3851, 0.5136



30.4240, 0.1591, 0.2967

Rectangle

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



30.4240, 0.2194, 0.1853



30.4240, 0.3776, 0.2406



30.4240, 0.3851, 0.5136



30.4240, 0.2335, 0.4487

Sweetspot

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



30.4250, 0.2194, 0.1853



73.4647, 0.2885, 0.2929



81.6426, 0.2536, 0.3461



15.0146, 0.2848, 0.2873



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.



30.4250, 0.2194, 0.1853



22.9129, 0.1993, 0.1524



31.5380, 0.2512, 0.1829



17.6760, 0.2979, 0.3070



4.2564, 0.1519, 0.0668



0.5086, 0.1556, 0.0800

Inverse Universe

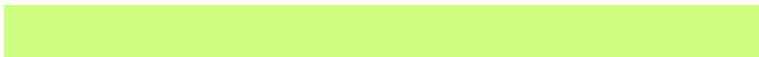
The Inverse Universe completely reimagines the original color for something new.



38.1512, 0.4407, 0.3160



32.0618, 0.4831, 0.3146



85.4442, 0.3524, 0.4665



18.0172, 0.3278, 0.3266



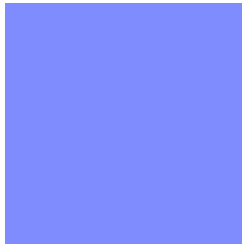
11.1576, 0.6285, 0.3236



1.0959, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 30.4240, 0.2194, 0.1853 looks on a white background.

Color Contrast Check

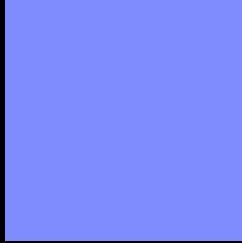
Large Text (above 18pt) WCAG AA × Fail

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 30.4240, 0.2194, 0.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

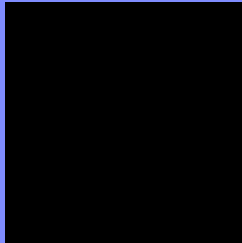
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4240, 0.2194, 0.1853

Background



This preview shows how black text looks on a background with the Yxy color 30.4240, 0.2194, 0.1853.



This preview shows how white text looks on a background with the Yxy color 30.4240, 0.2194, 0.1853.

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

30.4240, 0.2194, 0.1853

Protanopia

30.6025, 0.2072, 0.1876

Deuteranopia

30.7812, 0.2000, 0.1937



Tritanopia

30.5032, 0.2544, 0.3090

Trichromacy



Original Color

30.4240, 0.2194, 0.1853

Protanomaly

30.5460, 0.2111, 0.1865

Deuteranomaly

30.4461, 0.2055, 0.1897

Tritanomaly

29.9885, 0.2395, 0.2547

Monochromacy



Original Color

30.4240, 0.2194, 0.1853

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.8083, 0.2718, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4240, 0.2194, 0.1853 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(127, 140, 254)` looks like.

```
.text, #text, p{  
    color:rgb(127, 140, 254)  
}
```

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(127, 140, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 140, 254) }
```

Border

The CSS property to change the border of an element to Yxy 30.4240, 0.2194, 0.1853 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(127, 140, 254) }
```

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

```
.border{ border-color:rgb(127, 140, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 140, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 140, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 140, 254);  
box-shadow:4px 4px 4px 4px rgb(127, 140,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4240, 0.2194, 0.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 140, 254) }
```

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

```
.background{ background-color: rgb(127,  
140, 254) }
```

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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