

Converting Colors

$Y_{xy}(35.7321, 0.2064, 0.1458)$

Have a look what the booklet for
Yxy(35.7321, 0.2064, 0.1458)
contains.

Yxy(31.2179, 0.2322, 0.1847)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2179, 0.2322, 0.1847)

Conversions

Conversions Part 1

Format	Color
Hex	9588FF
RGB	149, 136, 255
RGB Percent	58%, 53%, 100%
CMY	0.4157, 0.4666, 0.0000
CMYK	0.42, 0.47, 0.00, 0.00
HSL	247°, 100%, 77%
HSV	247°, 47%, 100%
XYZ	39.2463, 31.2179, 98.5553
YIQ	153.4530, -30.4510, 39.7650

Conversions

Conversions Part 2

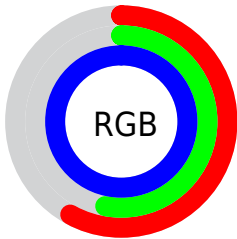
Format	Color
R _Y B	149, 136, 255
Decimal	9799935
CIE Lab	62.69, 33.14, -57.79
CIE LCh	63, 66.619, 299.832
Yxy	31.2179, 0.2322, 0.1847
Android (android.graphics.Color)	4287990015 (0xFF9588FF)
YUV	153.4530, 50.0627, -3.9053
Hunter-Lab	55.8730, 27.6043, -65.4715

Details

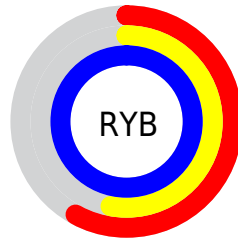
The Yxy color **31.2179, 0.2322, 0.1847** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.1677, 0.3729, 0.4474**, and the grayscale version is **31.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8806, 0.2802, 0.2572**, and **12.9569, 0.2079, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **22.9383, 0.2118, 0.1503**, and if you desaturate by 10%, it is **41.6244, 0.2523, 0.2196**.

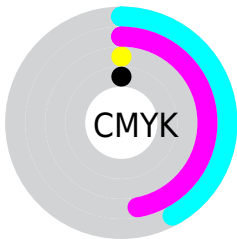
Distribution



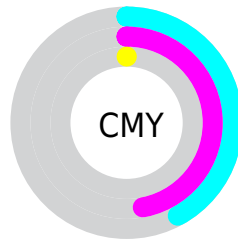
- Red (58%)
- Green (53%)
- Blue (100%)



- Red (58%)
- Yellow (53%)
- Blue (100%)



- Cyan (42%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2179, 0.2322, 0.1847 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 31.2179, 0.2322, 0.1847 by changing the saturation by 10% instead.


 31.2179, 0.2322,
0.1847


 31.2179, 0.2322,
0.1847

307.5409, 0.2742,
0.2524


 20.7648, 0.2217,
0.1697


 61.5830, 0.2476,
0.2080

 12.9522, 0.2084,
0.1516


 82.2638, 0.2533,
0.2171

 7.3956, 0.1912,
0.1296


 107.1226, 0.2582,
0.2250

 3.7107, 0.1685,
0.1029

136.5438, 0.2624,
0.2319

 1.5131, 0.1380,
0.0712

170.9119, 0.2659,
0.2380

 0.2979, 0.0985,
0.0263

210.6112, 0.2691,

 0.0000, 0.0076,

0.2433

0.0000

256.0260, 0.2718,
0.2481

■ 0.0000, 0.0000,
0.0000

■ 31.2179, 0.2322,
0.1847

■ 31.2179, 0.2322,
0.1847

■ 22.9383, 0.2118,
0.1503

■ 41.6244, 0.2523,
0.2196

■ 16.6351, 0.1926,
0.1188

■ 54.2880, 0.2713,
0.2531

■ 12.1429, 0.1759,
0.0928

■ 69.3321, 0.2884,
0.2842

■ 9.2677, 0.1630,
0.0742

■ 86.8702, 0.3037,
0.3122

■ 7.7689, 0.1548,
0.0638

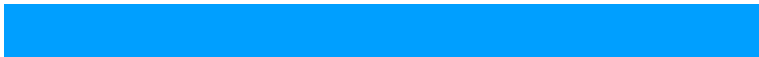
■ 99.9993, 0.3127,
0.3290

■ 7.4640, 0.1530,
0.0617

Harmonies

Analogous

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



31.2179, 0.1707, 0.1799



31.2179, 0.2322, 0.1847



31.2179, 0.3285, 0.2159

Triad

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



31.2179, 0.2322, 0.1847



31.2179, 0.5108, 0.4052



31.2179, 0.1914, 0.3880

Complementary

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



31.2179, 0.2322, 0.1847



92.1677, 0.3729, 0.4474

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.



31.2179, 0.2707, 0.4977



31.2179, 0.2322, 0.1847



31.2179, 0.4543, 0.4772

Square

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



31.2179, 0.2322, 0.1847



31.2179, 0.5090, 0.3340



31.2179, 0.3667, 0.5252



31.2179, 0.1491, 0.2747

Rectangle

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



31.2179, 0.2322, 0.1847



31.2179, 0.4025, 0.2492



31.2179, 0.3667, 0.5252



31.2179, 0.2143, 0.4295

Sweetspot

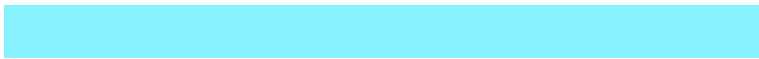
The Sweet Spot groups the original color and five complimentary colors.



31.2190, 0.2322, 0.1847



73.7592, 0.2927, 0.2919



76.6098, 0.2480, 0.3151



15.0176, 0.2893, 0.2857



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.



31.2190, 0.2322, 0.1847



23.4257, 0.2132, 0.1525



38.1521, 0.2773, 0.2008



17.4727, 0.2995, 0.3045



3.9308, 0.1537, 0.0620



0.4122, 0.1607, 0.0659

Inverse Universe

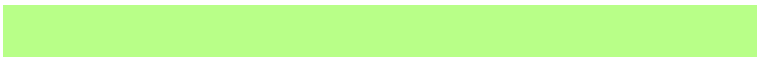
The Inverse Universe completely reimagines the original color for something new.



45.2789, 0.3293, 0.2257



39.1486, 0.3334, 0.2082



83.4320, 0.3335, 0.4647



18.2642, 0.3155, 0.3081



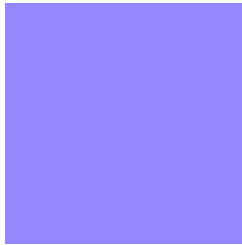
14.0250, 0.3506, 0.1705



1.3749, 0.3467, 0.1684

Previews

White Background



This preview shows how the Yxy color 31.2179, 0.2322, 0.1847 looks on a white background.

Color Contrast Check

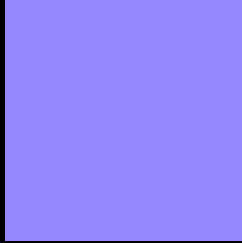
Large Text (above 18pt) WCAG AA × Fail

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 31.2179, 0.2322, 0.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

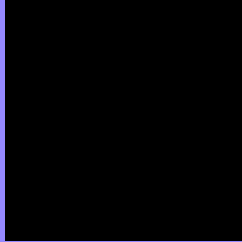
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2179, 0.2322, 0.1847

Background



This preview shows how black text looks on a background with the Yxy color 31.2179, 0.2322, 0.1847.



This preview shows how white text looks on a background with the Yxy color 31.2179, 0.2322, 0.1847.

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

31.2179, 0.2322, 0.1847

Protanopia

31.4640, 0.2097, 0.1908

Deuteranopia

31.3528, 0.2032, 0.1968



Tritanopia

31.1933, 0.2768, 0.3099

Trichromacy



Original Color

31.2179, 0.2322, 0.1847

Protanomaly

31.3041, 0.2170, 0.1885

Deuteranomaly

30.7742, 0.2113, 0.1911

Tritanomaly

30.8993, 0.2585, 0.2550

Monochromacy



Original Color

31.2179, 0.2322, 0.1847

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2605, 0.2794, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2179, 0.2322, 0.1847 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(149, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 136, 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(149, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.2179, 0.2322, 0.1847 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(149, 136, 255) }
```

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

```
.border{ border-color:rgb(149, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2179, 0.2322, 0.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 136, 255) }
```

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

```
.background{ background-color: rgb(149,  
136, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor