

Converting Colors

Yxy(34.2549, 0.2072, 0.1641)

Have a look what the booklet for
Yxy(34.2549, 0.2072, 0.1641)
contains.

Yxy(31.8336, 0.2211, 0.1898)	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(31.8336, 0.2211, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	8190FF
RGB	129, 144, 255
RGB Percent	51%, 56%, 100%
CMY	0.4939, 0.4353, 0.0000
CMYK	0.49, 0.44, 0.00, 0.00
HSL	233°, 100%, 75%
HSV	233°, 49%, 100%
XYZ	37.0833, 31.8336, 98.8049
YIQ	152.1690, -44.5710, 31.3410

Conversions

Conversions Part 2

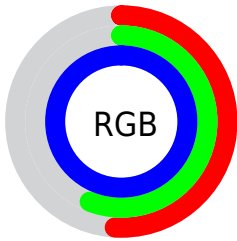
Format	Color
R_{YB}	129, 142, 255
Decimal	8491263
CIE _{Lab}	63.21, 23.95, -57.07
CIE _{LCh}	63, 61.892, 292.771
Yxy	31.8336, 0.2211, 0.1898
Android (android.graphics.Color)	4286681343 (0xFF8190FF)
YUV	152.1690, 50.6957, -20.3192
Hunter-Lab	56.4213, 18.5832, -64.3337

Details

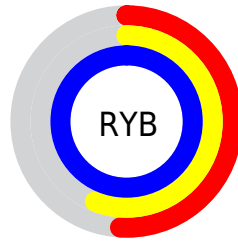
The Yxy color **31.8336, 0.2211, 0.1898** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.2076, 0.3921, 0.4374**, and the grayscale version is **31.2715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2995, 0.2681, 0.2650**, and **13.3116, 0.1950, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **23.9356, 0.2012, 0.1573**, and if you desaturate by 10%, it is **41.5861, 0.2417, 0.2223**.

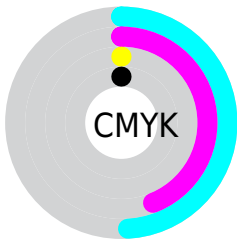
Distribution



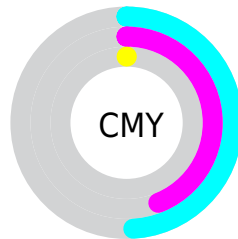
- Red (51%)
- Green (56%)
- Blue (100%)



- Red (51%)
- Yellow (56%)
- Blue (100%)



- Cyan (49%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8336, 0.2211, 0.1898 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 31.8336, 0.2211, 0.1898 by changing the saturation by 10% instead.


 31.8336, 0.2211,
0.1898

 31.8336, 0.2211,
0.1898


310.3605, 0.2680,
0.2559

 21.2344, 0.2097,
0.1750


 62.5501, 0.2380,
0.2127

 13.2955, 0.1953,
0.1570


 83.4363, 0.2445,
0.2216

 7.6323, 0.1769,
0.1350


 108.5202, 0.2499,
0.2293

 3.8606, 0.1530,
0.1082

138.1864, 0.2545,
0.2360

 1.5959, 0.1217,
0.0759

172.8191, 0.2586,
0.2419

 0.3548, 0.0821,
0.0315

212.8027, 0.2621,

 0.0000, 0.0000,

0.2471

0.0000

258.5218, 0.2652,
0.2517

■ 31.8336, 0.2211,
0.1898

■ 31.8336, 0.2211,
0.1898

■ 23.9356, 0.2012,
0.1573

■ 41.5861, 0.2417,
0.2223

■ 17.7720, 0.1831,
0.1268

■ 53.2998, 0.2618,
0.2534

■ 13.2107, 0.1684,
0.1006

■ 67.0748, 0.2807,
0.2820

■ 10.0995, 0.1581,
0.0805

■ 83.0041, 0.2980,
0.3076

■ 8.2418, 0.1522,
0.0675

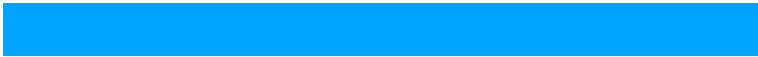
100.0000, 0.3127,
0.3290

■ 8.1602, 0.1519,
0.0669

Harmonies

Analogous

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



31.8336, 0.1704, 0.1922



31.8336, 0.2211, 0.1898



31.8336, 0.3045, 0.2138

Triad

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



31.8336, 0.2211, 0.1898



31.8336, 0.5028, 0.3871



31.8336, 0.2151, 0.4103

Complementary

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



31.8336, 0.2211, 0.1898



85.2076, 0.3921, 0.4374

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.



31.8336, 0.2960, 0.4971



31.8336, 0.2211, 0.1898



31.8336, 0.4626, 0.4548

Square

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



31.8336, 0.2211, 0.1898



31.8336, 0.4841, 0.3203



31.8336, 0.3861, 0.5053



31.8336, 0.1655, 0.3015

Rectangle

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



31.8336, 0.2211, 0.1898



31.8336, 0.3722, 0.2425



31.8336, 0.3861, 0.5053



31.8336, 0.2395, 0.4457

Sweetspot

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



31.8341, 0.2211, 0.1898



73.7967, 0.2885, 0.2936



82.3768, 0.2550, 0.3484



15.0934, 0.2848, 0.2881



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.



31.8341, 0.2211, 0.1898



24.2101, 0.2019, 0.1586



32.0766, 0.2505, 0.1841



17.7244, 0.2979, 0.3074



4.3725, 0.1524, 0.0685



0.5314, 0.1564, 0.0831

Inverse Universe

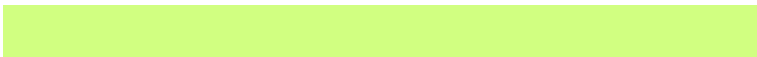
The Inverse Universe completely reimagines the original color for something new.



38.9886, 0.4359, 0.3140



32.6864, 0.4755, 0.3122



86.6356, 0.3535, 0.4642



18.0221, 0.3276, 0.3262



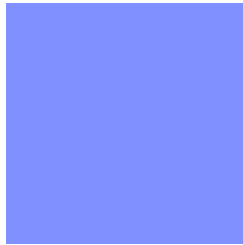
11.1694, 0.6258, 0.3221



1.0982, 0.6020, 0.3090

Previews

White Background



This preview shows how the Yxy color 31.8336, 0.2211, 0.1898 looks on a white background.

Color Contrast Check

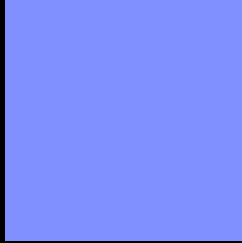
Large Text (above 18pt) WCAG AA × Fail

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 31.8336, 0.2211, 0.1898 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 31.8336, 0.2211, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 31.8336, 0.2211, 0.1898.



This preview shows how white text looks on a background with the Yxy color 31.8336, 0.2211, 0.1898.

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

31.8336, 0.2211, 0.1898

Protanopia

31.9030, 0.2110, 0.1924

Deuteranopia

31.9006, 0.2036, 0.1966



Tritanopia

31.8789, 0.2546, 0.3078

Trichromacy



Original Color

31.8336, 0.2211, 0.1898

Protanomaly

31.8004, 0.2145, 0.1912

Deuteranomaly

31.7932, 0.2088, 0.1937

Tritanomaly

31.3130, 0.2405, 0.2559

Monochromacy



Original Color

31.8336, 0.2211, 0.1898

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.0983, 0.2733, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8336, 0.2211, 0.1898 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(129, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 144, 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(129, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.8336, 0.2211, 0.1898 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(129, 144, 255) }
```

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

```
.border{ border-color:rgb(129, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 144,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8336, 0.2211, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 144, 255) }
```

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

```
.background{ background-color: rgb(129,  
144, 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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