

Converting Colors

$Yxy(31.9169, 0.2197, 0.1863)$

Have a look what the booklet for
Yxy(31.9169, 0.2197, 0.1863)
contains.

Yxy(31.6107, 0.2214, 0.1888)	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(31.6107, 0.2214, 0.1888)

Conversions

Conversions Part 1

Format	Color
Hex	828FFF
RGB	130, 143, 255
RGB Percent	51%, 56%, 100%
CMY	0.4905, 0.4391, 0.0000
CMYK	0.49, 0.44, 0.00, 0.00
HSL	234°, 100%, 75%
HSV	234°, 49%, 100%
XYZ	37.0689, 31.6107, 98.7500
YIQ	151.8810, -43.7000, 32.0760

Conversions

Conversions Part 2

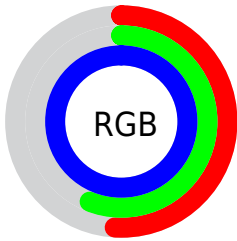
Format	Color
R_{YB}	130, 142, 255
Decimal	8556543
CIE _{Lab}	63.02, 24.71, -57.35
CIE _{LCh}	63, 62.447, 293.306
Yxy	31.6107, 0.2214, 0.1888
Android (android.graphics.Color)	4286746623 (0xFF828FFF)
YUV	151.8810, 50.8377, -19.1896
Hunter-Lab	56.2234, 19.2967, -64.7797

Details

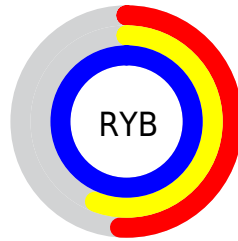
The Yxy color **31.6107, 0.2214, 0.1888** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.3142, 0.3908, 0.4382**, and the grayscale version is **31.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9713, 0.2686, 0.2639**, and **13.1711, 0.1952, 0.1553** is the 20% darker color. If you saturate the color by 10%, you get **23.6680, 0.2013, 0.1559**, and if you desaturate by 10%, it is **41.4498, 0.2421, 0.2217**.

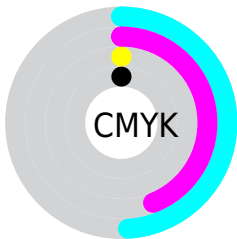
Distribution



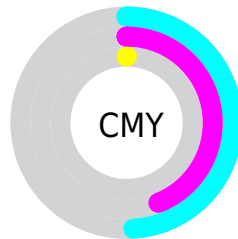
- Red (51%)
- Green (56%)
- Blue (100%)



- 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 31.6107, 0.2214, 0.1888 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 31.6107, 0.2214, 0.1888 by changing the saturation by 10% instead.


 31.6107, 0.2214,
0.1888


 31.6107, 0.2214,
0.1888


309.3420, 0.2682,
0.2553


 21.0643, 0.2100,
0.1739


 62.2003, 0.2383,
0.2118

 13.1710, 0.1956,
0.1558

 83.0123, 0.2447,
0.2208

 7.5464, 0.1772,
0.1338


 108.0150, 0.2502,
0.2286

 3.8061, 0.1533,
0.1069

137.5927, 0.2548,
0.2353

 1.5657, 0.1218,
0.0746

172.1298, 0.2588,
0.2412

 0.3343, 0.0822,
0.0298

212.0109, 0.2623,

 0.0000, 0.0000,

0.2465

0.0000

257.6201, 0.2654,
0.2511

■ 31.6107, 0.2214,
0.1888

■ 31.6107, 0.2214,
0.1888

■ 23.6680, 0.2013,
0.1559

■ 41.4498, 0.2421,
0.2217

■ 17.4956, 0.1831,
0.1252

■ 53.2937, 0.2623,
0.2532

■ 12.9574, 0.1682,
0.0990

■ 67.2465, 0.2813,
0.2821

■ 9.8952, 0.1578,
0.0791

■ 83.4043, 0.2986,
0.3081

■ 8.1079, 0.1520,
0.0666

99.9996, 0.3127,
0.3290

■ 7.9896, 0.1516,
0.0657

Harmonies

Analogous

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



31.6107, 0.1698, 0.1906



31.6107, 0.2214, 0.1888



31.6107, 0.3061, 0.2134

Triad

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



31.6107, 0.2214, 0.1888



31.6107, 0.5044, 0.3885



31.6107, 0.2128, 0.4092

Complementary

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



31.6107, 0.2214, 0.1888



86.3142, 0.3908, 0.4382

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.



31.6107, 0.2940, 0.4983



31.6107, 0.2214, 0.1888



31.6107, 0.4627, 0.4569

Square

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



31.6107, 0.2214, 0.1888



31.6107, 0.4869, 0.3212



31.6107, 0.3850, 0.5077



31.6107, 0.1636, 0.2992

Rectangle

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



31.6107, 0.2214, 0.1888



31.6107, 0.3746, 0.2426



31.6107, 0.3850, 0.5077



31.6107, 0.2372, 0.4454

Sweetspot

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



31.6118, 0.2214, 0.1888



73.5167, 0.2885, 0.2930



82.5719, 0.2544, 0.3458



15.0270, 0.2848, 0.2874



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.



31.6118, 0.2214, 0.1888



23.7014, 0.2014, 0.1561



32.6161, 0.2527, 0.1858



17.6836, 0.2979, 0.3070



4.2737, 0.1520, 0.0671



0.5122, 0.1557, 0.0805

Inverse Universe

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



39.1894, 0.4366, 0.3159



32.6351, 0.4782, 0.3143



86.3992, 0.3518, 0.4639



18.0180, 0.3278, 0.3265



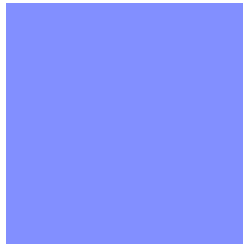
11.1594, 0.6281, 0.3234



1.0963, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 31.6107, 0.2214, 0.1888 looks on a white background.

Color Contrast Check

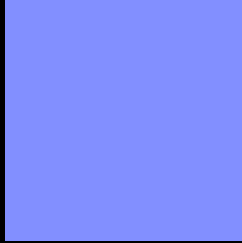
Large Text (above 18pt) WCAG AA × Fail

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 31.6107, 0.2214, 0.1888 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 31.6107, 0.2214, 0.1888

Background



This preview shows how black text looks on a background with the Yxy color 31.6107, 0.2214, 0.1888.



This preview shows how white text looks on a background with the Yxy color 31.6107, 0.2214, 0.1888.

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

31.6107, 0.2214, 0.1888

Protanopia

31.8407, 0.2105, 0.1923

Deuteranopia

31.8056, 0.2029, 0.1963



Tritanopia

31.5490, 0.2557, 0.3078

Trichromacy



Original Color

31.6107, 0.2214, 0.1888

Protanomaly

31.7323, 0.2140, 0.1910

Deuteranomaly

31.4174, 0.2080, 0.1922

Tritanomaly

31.0004, 0.2415, 0.2557

Monochromacy



Original Color

31.6107, 0.2214, 0.1888

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 31.6107, 0.2214, 0.1888 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(130, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 143, 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(130, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.6107, 0.2214, 0.1888 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(130, 143, 255) }
```

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

```
.border{ border-color:rgb(130, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6107, 0.2214, 0.1888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 143, 255) }
```

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

```
.background{ background-color: rgb(130,  
143, 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