

Converting Colors

$Y_{xy}(31.5097, 0.2268, 0.1939)$

Have a look what the booklet for
Yxy(31.5097, 0.2268, 0.1939)
contains.

Yxy(31.6354, 0.2274, 0.1949)	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(31.6354, 0.2274, 0.1949)

Conversions

Conversions Part 1

Format	Color
Hex	878FF9
RGB	135, 143, 249
RGB Percent	53%, 56%, 98%
CMY	0.4706, 0.4392, 0.0236
CMYK	0.46, 0.43, 0.00, 0.02
HSL	236°, 90%, 75%
HSV	236°, 46%, 98%
XYZ	36.9107, 31.6354, 93.7700
YIQ	152.6920, -38.7940, 31.2700

Conversions

Conversions Part 2

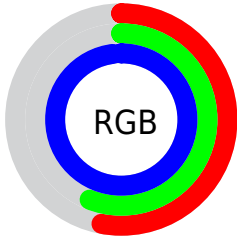
Format	Color
R _Y B	135, 142, 249
Decimal	8884217
CIE Lab	63.04, 24.10, -54.01
CIE LCh	63, 59.138, 294.046
Yxy	31.6354, 0.2274, 0.1949
Android (android.graphics.Color)	4287074297 (0xFF878FF9)
YUV	152.6920, 47.4798, -15.5159
Hunter-Lab	56.2454, 18.7102, -59.4741

Details

The Yxy color **31.6354, 0.2274, 0.1949** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.7853, 0.3840, 0.4348**, and the grayscale version is **31.5183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4900, 0.2712, 0.2644**, and **13.2123, 0.2029, 0.1626** is the 20% darker color. If you saturate the color by 10%, you get **23.5586, 0.2066, 0.1610**, and if you desaturate by 10%, it is **41.6313, 0.2484, 0.2286**.

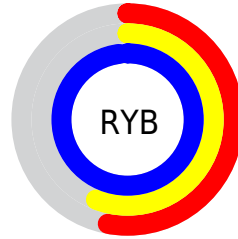
Distribution



Red (53%)

Green (56%)

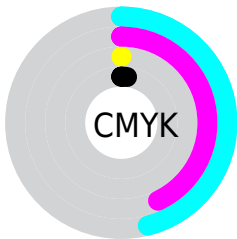
Blue (98%)



Red (53%)

Yellow (56%)

Blue (98%)

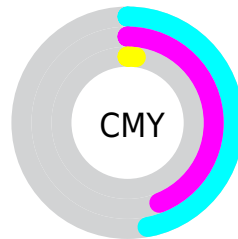


Cyan (46%)

Magenta (43%)

Yellow (0%)

Black (2%)



Cyan (47%)


Magenta (44%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6354, 0.2274, 0.1949 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 31.6354, 0.2274, 0.1949 by changing the saturation by 10% instead.


 31.6354, 0.2274,
0.1949


 31.6354, 0.2274,
0.1949

309.4550, 0.2714,
0.2590


 21.0832, 0.2165,
0.1803


 62.2391, 0.2434,
0.2172

 13.1848, 0.2027,
0.1626


 83.0593, 0.2495,
0.2259

 7.5559, 0.1849,
0.1407


 108.0710, 0.2545,
0.2334

 3.8121, 0.1615,
0.1137

137.6585, 0.2589,
0.2399

 1.5690, 0.1301,
0.0807

172.2063, 0.2627,
0.2455

 0.3366, 0.0896,
0.0331

212.0987, 0.2660,

 0.0000, 0.0000,

0.2506

0.0000

257.7201, 0.2688,
0.2550

■ 31.6354, 0.2274,
0.1949

■ 31.6354, 0.2274,
0.1949

■ 23.5586, 0.2066,
0.1610

■ 41.6313, 0.2484,
0.2286

■ 17.2747, 0.1874,
0.1289

■ 53.6551, 0.2685,
0.2604

■ 12.6473, 0.1712,
0.1012

■ 67.8114, 0.2871,
0.2895

■ 9.5192, 0.1594,
0.0800

■ 84.1967, 0.3039,
0.3155

■ 7.7021, 0.1526,
0.0667

■ 99.6186, 0.3162,
0.3347

■ 7.2546, 0.1509,
0.0633

Harmonies

Analogous

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



31.6354, 0.1767, 0.1963



31.6354, 0.2274, 0.1949



31.6354, 0.3091, 0.2192

Triad

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



31.6354, 0.2274, 0.1949



31.6354, 0.4950, 0.3893



31.6354, 0.2165, 0.4022

Complementary

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



31.6354, 0.2274, 0.1949



84.7853, 0.3840, 0.4348

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.



31.6354, 0.2938, 0.4868



31.6354, 0.2274, 0.1949



31.6354, 0.4552, 0.4540

Square

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



31.6354, 0.2274, 0.1949



31.6354, 0.4790, 0.3241



31.6354, 0.3809, 0.4994



31.6354, 0.1695, 0.2993

Rectangle

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



31.6354, 0.2274, 0.1949



31.6354, 0.3741, 0.2477



31.6354, 0.3809, 0.4994



31.6354, 0.2396, 0.4360

Sweetspot

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



31.6365, 0.2274, 0.1949



74.4667, 0.2902, 0.2943



79.1536, 0.2556, 0.3399



15.1867, 0.2864, 0.2884



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.



31.6365, 0.2274, 0.1949



25.4137, 0.2080, 0.1633



34.1727, 0.2608, 0.1973



16.8386, 0.2979, 0.3062



3.9554, 0.1512, 0.0643



0.4324, 0.1540, 0.0745

Inverse Universe

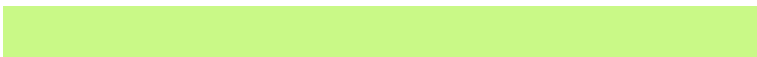
The Inverse Universe completely reimagines the original color for something new.



39.4489, 0.4285, 0.3208



34.9350, 0.4669, 0.3197



81.9769, 0.3472, 0.4557



17.2450, 0.3283, 0.3274



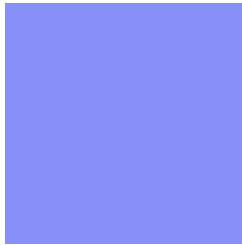
10.8102, 0.6328, 0.3259



1.0079, 0.6159, 0.3167

Previews

White Background



This preview shows how the Yxy color 31.6354, 0.2274, 0.1949 looks on a white background.

Color Contrast Check

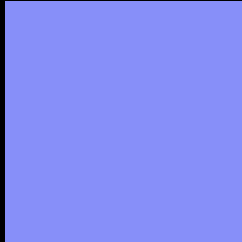
Large Text (above 18pt) WCAG AA × Fail

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 31.6354, 0.2274, 0.1949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

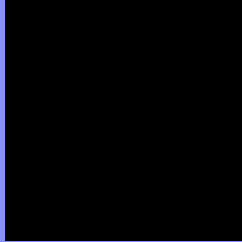
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6354, 0.2274, 0.1949

Background



This preview shows how black text looks on a background with the Yxy color 31.6354, 0.2274, 0.1949.



This preview shows how white text looks on a background with the Yxy color 31.6354, 0.2274, 0.1949.

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

31.6354, 0.2274, 0.1949

Protanopia

31.8388, 0.2114, 0.1933

Deuteranopia

31.9308, 0.2092, 0.2031



Tritanopia

31.7361, 0.2626, 0.3080

Trichromacy



Original Color

31.6354, 0.2274, 0.1949

Protanomaly

31.7473, 0.2169, 0.1941

Deuteranomaly

31.5872, 0.2148, 0.1989

Tritanomaly

31.4658, 0.2483, 0.2593

Monochromacy



Original Color

31.6354, 0.2274, 0.1949

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2367, 0.2758, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6354, 0.2274, 0.1949 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(135, 143, 249)` looks like.

```
.text, #text, p{  
    color:rgb(135, 143, 249)  
}
```

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(135, 143, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 143, 249) }
```

Border

The CSS property to change the border of an element to Yxy 31.6354, 0.2274, 0.1949 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(135, 143, 249) }
```

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

```
.border{ border-color:rgb(135, 143, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 143, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 143, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 143, 249);  
box-shadow:4px 4px 4px 4px rgb(135, 143,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6354, 0.2274, 0.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 143, 249) }
```

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

```
.background{ background-color: rgb(135,  
143, 249) }
```

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