

Converting Colors

$Y_{xy}(31.5869, 0.2359, 0.2053)$

Have a look what the booklet for
Yxy(31.5869, 0.2359, 0.2053)
contains.

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Color

Yxy(31.4524, 0.2360, 0.2049)

Conversions

Conversions Part 1

Format	Color
Hex	8C8FEF
RGB	140, 143, 239
RGB Percent	55%, 56%, 94%
CMY	0.4507, 0.4393, 0.0627
CMYK	0.41, 0.40, 0.00, 0.06
HSL	238°, 76%, 74%
HSV	238°, 41%, 94%
XYZ	36.2263, 31.4524, 85.8225
YIQ	153.0470, -32.6040, 29.2200

Conversions

Conversions Part 2

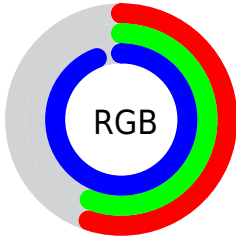
Format	Color
R_{YB}	140, 143, 239
Decimal	9211887
CIE _{Lab}	62.89, 22.49, -48.73
CIE _{LCh}	63, 53.671, 294.770
Yxy	31.4524, 0.2360, 0.2049
Android (android.graphics.Color)	4287401967 (0xFF8C8FEF)
YUV	153.0470, 42.3748, -11.4422
Hunter-Lab	56.0824, 17.1573, -51.4733

Details

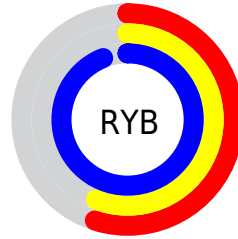
The Yxy color **31.4524, 0.2360, 0.2049** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.2899, 0.3757, 0.4287**, and the grayscale version is **31.7047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0228, 0.2739, 0.2649**, and **13.0909, 0.2134, 0.1744** is the 20% darker color. If you saturate the color by 10%, you get **23.3383, 0.2146, 0.1698**, and if you desaturate by 10%, it is **41.4596, 0.2570, 0.2392**.

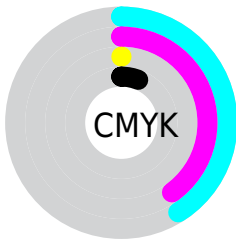
Distribution



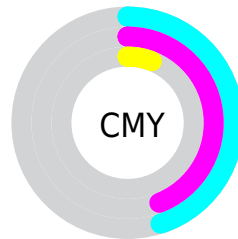
- Red (55%)
- Green (56%)
- Blue (94%)



- Red (55%)
- Yellow (56%)
- Blue (94%)



- Cyan (41%)
- Magenta (40%)
- Yellow (0%)
- Black (6%)





- Cyan (45%)
- Magenta (44%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4524, 0.2360, 0.2049 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 31.4524, 0.2360, 0.2049 by changing the saturation by 10% instead.


 31.4524, 0.2360,
0.2049


 31.4524, 0.2360,
0.2049


308.6171, 0.2760,
0.2650


 20.9436, 0.2259,
0.1909


 61.9516, 0.2507,
0.2261

 13.0828, 0.2130,
0.1737


 82.7108, 0.2562,
0.2342

 7.4856, 0.1962,
0.1522


 107.6556, 0.2608,
0.2412

 3.7676, 0.1735,
0.1251

137.1704, 0.2647,
0.2473

 1.5444, 0.1422,
0.0909

171.6395, 0.2681,
0.2525

 0.3197, 0.1005,
0.0377

211.4474, 0.2711,

 0.0000, 0.0000,

0.2572

0.0000

256.9785, 0.2737,
0.2613

■ 31.4524, 0.2360,
0.2049

■ 31.4524, 0.2360,
0.2049

■ 23.3383, 0.2146,
0.1698

■ 41.4596, 0.2570,
0.2392

■ 16.9949, 0.1942,
0.1361

■ 53.4650, 0.2768,
0.2712

■ 12.2910, 0.1764,
0.1063

■ 67.5701, 0.2947,
0.3001

■ 9.0758, 0.1627,
0.0830

■ 83.8685, 0.3107,
0.3257

■ 7.1705, 0.1540,
0.0679

■ 99.0120, 0.3220,
0.3444

■ 6.3846, 0.1504,
0.0613

Harmonies

Analogous

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



31.4524, 0.1875, 0.2061



31.4524, 0.2360, 0.2049



31.4524, 0.3121, 0.2282

Triad

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



31.4524, 0.2360, 0.2049



31.4524, 0.4797, 0.3886



31.4524, 0.2236, 0.3930

Complementary

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



31.4524, 0.2360, 0.2049



80.2899, 0.3757, 0.4287

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.



31.4524, 0.2949, 0.4695



31.4524, 0.2360, 0.2049



31.4524, 0.4438, 0.4473

Square

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



31.4524, 0.2360, 0.2049



31.4524, 0.4652, 0.3275



31.4524, 0.3754, 0.4850



31.4524, 0.1800, 0.3011

Rectangle

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



31.4524, 0.2360, 0.2049



31.4524, 0.3712, 0.2552



31.4524, 0.3754, 0.4850



31.4524, 0.2450, 0.4232

Sweetspot

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



31.4535, 0.2360, 0.2049



77.1439, 0.2936, 0.2984



73.3539, 0.2576, 0.3328



16.0276, 0.2914, 0.2947



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.



31.4535, 0.2360, 0.2049



28.0701, 0.2172, 0.1740



35.4788, 0.2713, 0.2126



15.3032, 0.2979, 0.3053



3.5611, 0.1505, 0.0618



0.3223, 0.1519, 0.0667

Inverse Universe

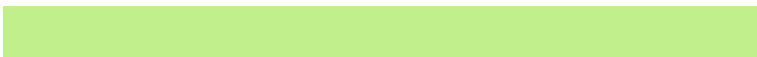
The Inverse Universe completely reimagines the original color for something new.



39.1111, 0.4164, 0.3261



38.2137, 0.4516, 0.3256



74.9445, 0.3410, 0.4441



15.7664, 0.3289, 0.3283



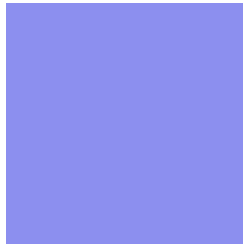
10.1528, 0.6370, 0.3282



0.8473, 0.6288, 0.3238

Previews

White Background



This preview shows how the Yxy color 31.4524, 0.2360, 0.2049 looks on a white background.

Color Contrast Check

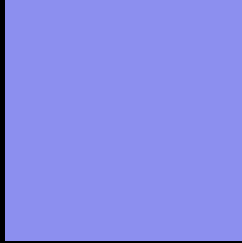
Large Text (above 18pt) WCAG AA × Fail

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 31.4524, 0.2360, 0.2049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

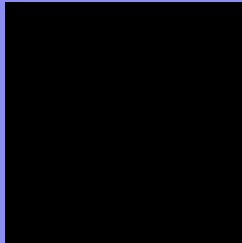
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4524, 0.2360, 0.2049

Background



This preview shows how black text looks on a background with the Yxy color 31.4524, 0.2360, 0.2049.



This preview shows how white text looks on a background with the Yxy color 31.4524, 0.2360, 0.2049.

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

31.4524, 0.2360, 0.2049

Protanopia

31.6714, 0.2193, 0.2034

Deuteranopia

31.6967, 0.2189, 0.2130



Tritanopia

31.5670, 0.2714, 0.3098

Trichromacy



Original Color

31.4524, 0.2360, 0.2049

Protanomaly

31.5633, 0.2249, 0.2042

Deuteranomaly

31.5899, 0.2244, 0.2098

Tritanomaly

31.3897, 0.2572, 0.2665

Monochromacy



Original Color

31.4524, 0.2360, 0.2049

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2515, 0.2808, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4524, 0.2360, 0.2049 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(140, 143, 239)` looks like.

```
.text, #text, p{  
    color:rgb(140, 143, 239)  
}
```

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(140, 143, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 143, 239) }
```

Border

The CSS property to change the border of an element to Yxy 31.4524, 0.2360, 0.2049 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(140, 143, 239) }
```

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

```
.border{ border-color:rgb(140, 143, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 143, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 143, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 143, 239);  
box-shadow:4px 4px 4px 4px rgb(140, 143,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4524, 0.2360, 0.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 143, 239) }
```

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

```
.background{ background-color: rgb(140,  
143, 239) }
```

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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