

Converting Colors

$Y_{xy}(31.6781, 0.2273, 0.1878)$

Have a look what the booklet for
Yxy(31.6781, 0.2273, 0.1878)
contains.

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Color

Yxy(31.5516, 0.2270, 0.1873)

Conversions

Conversions Part 1

Format	Color
Hex	8C8CFF
RGB	140, 140, 255
RGB Percent	55%, 55%, 100%
CMY	0.4510, 0.4509, 0.0001
CMYK	0.45, 0.45, 0.00, 0.00
HSL	240°, 100%, 77%
HSV	240°, 45%, 100%
XYZ	38.2393, 31.5516, 98.6640
YIQ	153.1100, -36.9150, 35.7650

Conversions

Conversions Part 2

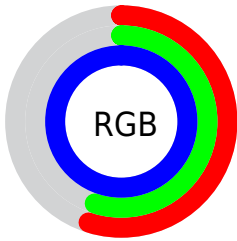
Format	Color
RYB	140, 140, 255
Decimal	9211135
CIELab	62.97, 28.72, -57.38
CIELCh	63, 64.168, 296.592
Yxy	31.5516, 0.2270, 0.1873
Android (android.graphics.Color)	4287401215 (0xFF8C8CFF)
YUV	153.1100, 50.2318, -11.4975
Hunter-Lab	56.1708, 23.2181, -64.8233

Details

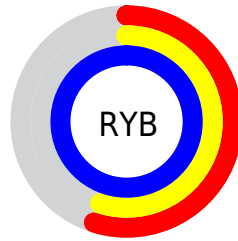
The Yxy color **31.5516, 0.2270, 0.1873** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.6467, 0.3798, 0.4399**, and the grayscale version is **31.6956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8093, 0.2743, 0.2616**, and **13.1389, 0.2018, 0.1538** is the 20% darker color. If you saturate the color by 10%, you get **22.9806, 0.2055, 0.1517**, and if you desaturate by 10%, it is **42.3636, 0.2487, 0.2231**.

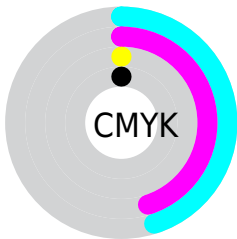
Distribution



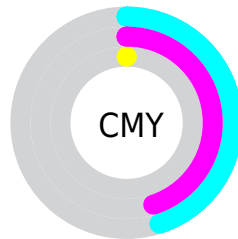
- Red (55%)
- Green (55%)
- Blue (100%)



- Red (55%)
- Yellow (55%)
- Blue (100%)



- Cyan (45%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5516, 0.2270, 0.1873 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 31.5516, 0.2270, 0.1873 by changing the saturation by 10% instead.


 31.5516, 0.2270,
0.1873


 31.5516, 0.2270,
0.1873

309.0715, 0.2713,
0.2542


 21.0192, 0.2161,
0.1724


 62.1075, 0.2431,
0.2104

 13.1381, 0.2023,
0.1543

 82.8998, 0.2492,
0.2194

 7.5237, 0.1845,
0.1324


 107.8808, 0.2543,
0.2272

 3.7917, 0.1612,
0.1057

137.4351, 0.2587,
0.2340

 1.5577, 0.1303,
0.0737

171.9469, 0.2625,
0.2400

 0.3289, 0.0907,
0.0291

211.8006, 0.2658,

 0.0000, 0.0000,

0.2452

0.0000

257.3807, 0.2687,
0.2499

■ 31.5516, 0.2270,
0.1873

■ 31.5516, 0.2270,
0.1873

■ 22.9806, 0.2055,
0.1517

■ 42.3636, 0.2487,
0.2231

■ 16.4906, 0.1857,
0.1189

■ 55.5551, 0.2693,
0.2572

■ 11.9055, 0.1693,
0.0919

■ 71.2573, 0.2882,
0.2884

■ 9.0190, 0.1578,
0.0728

■ 89.5910, 0.3050,
0.3162

■ 7.5766, 0.1516,
0.0626

■ 99.9986, 0.3127,
0.3290

■ 7.2193, 0.1500,
0.0600

Harmonies

Analogous

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



31.5516, 0.1708, 0.1858



31.5516, 0.2270, 0.1873



31.5516, 0.3170, 0.2151

Triad

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



31.5516, 0.2270, 0.1873



31.5516, 0.5070, 0.3966



31.5516, 0.2027, 0.3987

Complementary

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



31.5516, 0.2270, 0.1873



94.6467, 0.3798, 0.4399

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.



31.5516, 0.2828, 0.4973



31.5516, 0.2270, 0.1873



31.5516, 0.4583, 0.4663

Square

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



31.5516, 0.2270, 0.1873



31.5516, 0.4970, 0.3277



31.5516, 0.3760, 0.5153



31.5516, 0.1570, 0.2874

Rectangle

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



31.5516, 0.2270, 0.1873



31.5516, 0.3878, 0.2462



31.5516, 0.3760, 0.5153



31.5516, 0.2263, 0.4372

Sweetspot

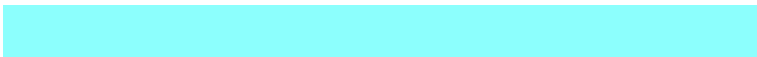
The Sweet Spot groups the original color and five complimentary colors.



31.5527, 0.2270, 0.1873



73.1487, 0.2901, 0.2917



84.1775, 0.2529, 0.3310



14.8714, 0.2863, 0.2853



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.



31.5527, 0.2270, 0.1873



23.8194, 0.2078, 0.1555



37.6517, 0.2679, 0.2014



17.3782, 0.2978, 0.3044



3.7731, 0.1500, 0.0600



0.3675, 0.1500, 0.0600

Inverse Universe

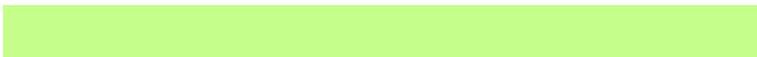
The Inverse Universe completely reimagines the original color for something new.



41.9045, 0.4350, 0.3293



35.3444, 0.4741, 0.3295



85.5973, 0.3418, 0.4560



17.9871, 0.3295, 0.3290



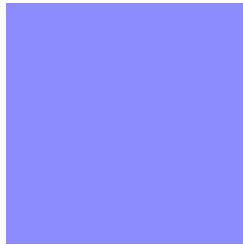
11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 31.5516, 0.2270, 0.1873 looks on a white background.

Color Contrast Check

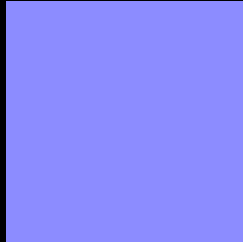
Large Text (above 18pt) WCAG AA × Fail

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 31.5516, 0.2270, 0.1873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

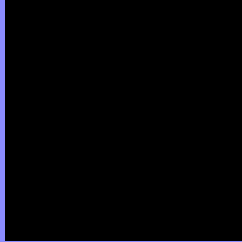
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5516, 0.2270, 0.1873

Background



This preview shows how black text looks on a background with the Yxy color 31.5516, 0.2270, 0.1873.



This preview shows how white text looks on a background with the Yxy color 31.5516, 0.2270, 0.1873.

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

31.5516, 0.2270, 0.1873

Protanopia

31.8407, 0.2105, 0.1923

Deuteranopia

31.7892, 0.2036, 0.1973



Tritanopia

31.5567, 0.2654, 0.3081

Trichromacy



Original Color

31.5516, 0.2270, 0.1873

Protanomaly

31.6997, 0.2159, 0.1904

Deuteranomaly

31.3358, 0.2105, 0.1925

Tritanomaly

31.0807, 0.2493, 0.2554

Monochromacy



Original Color

31.5516, 0.2270, 0.1873

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1934, 0.2759, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5516, 0.2270, 0.1873 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 140, 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(140, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.5516, 0.2270, 0.1873 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, 140, 255) }
```

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

```
.border{ border-color:rgb(140, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5516, 0.2270, 0.1873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 140, 255) }
```

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

```
.background{ background-color: rgb(140,  
140, 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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