

Converting Colors

$Y_{xy}(38.4075, 0.2318, 0.2135)$

Have a look what the booklet for
Yxy(38.4075, 0.2318, 0.2135)
contains.

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Color

Yxy(38.2852, 0.2316, 0.2131)

Conversions

Conversions Part 1

Format	Color
Hex	8CA1FF
RGB	140, 161, 255
RGB Percent	55%, 63%, 100%
CMY	0.4508, 0.3686, 0.0002
CMYK	0.45, 0.37, 0.00, 0.00
HSL	229°, 100%, 77%
HSV	229°, 45%, 100%
XYZ	41.6089, 38.2852, 99.7643
YIQ	165.4370, -42.6900, 24.7820

Conversions

Conversions Part 2

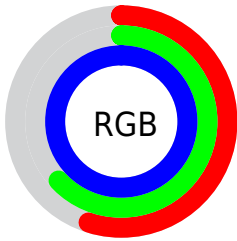
Format	Color
RYB	140, 158, 255
Decimal	9216511
CIELab	68.23, 16.59, -49.03
CIElCh	68, 51.760, 288.695
Yxy	38.2852, 0.2316, 0.2131
Android (android.graphics.Color)	4287406591 (0xFF8CA1FF)
YUV	165.4370, 44.1546, -22.3082
Hunter-Lab	61.8750, 11.7539, -52.2838

Details

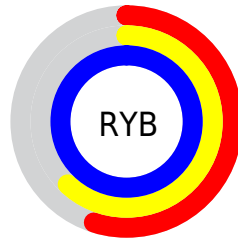
The Yxy color **38.2852, 0.2316, 0.2131** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.9894, 0.3885, 0.4225**, and the grayscale version is **37.6510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3375, 0.2762, 0.2865**, and **17.0229, 0.2093, 0.1851** is the 20% darker color. If you saturate the color by 10%, you get **29.6331, 0.2119, 0.1823**, and if you desaturate by 10%, it is **48.6676, 0.2514, 0.2429**.

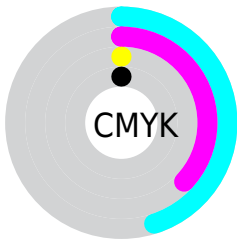
Distribution



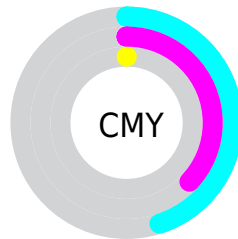
- Red (55%)
- Green (63%)
- Blue (100%)



- Red (55%)
- Yellow (62%)
- Blue (100%)



- Cyan (45%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2852, 0.2316, 0.2131 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 38.2852, 0.2316, 0.2131 by changing the saturation by 10% instead.

 38.2852, 0.2316,
0.2131


 38.2852, 0.2316,
0.2131


338.8418, 0.2722,
0.2682

 26.2041, 0.2218,
0.2005

 72.5451, 0.2462,
0.2323

 16.9764, 0.2095,
0.1851


 95.4926, 0.2517,
0.2397

 10.2177, 0.1938,
0.1660


122.8312, 0.2564,
0.2462

 5.5435, 0.1732,
0.1419

154.9450, 0.2604,
0.2517

 2.5696, 0.1456,
0.1112

192.2186, 0.2640,
0.2566

 0.9114, 0.1083,
0.0732

235.0364, 0.2670,

 0.0000, 0.0388,

0.2609

0.0000

283.7826, 0.2698,
0.2648

0.0000, 0.0000,
0.0000

38.2852, 0.2316,
0.2131

38.2852, 0.2316,
0.2131

29.6331, 0.2119,
0.1823

48.6676, 0.2514,
0.2429

22.6112, 0.1935,
0.1519

60.8647, 0.2706,
0.2708

17.1149, 0.1775,
0.1238

74.9602, 0.2885,
0.2961

13.0251, 0.1651,
0.0998

91.0312, 0.3050,
0.3186

10.2033, 0.1568,
0.0814

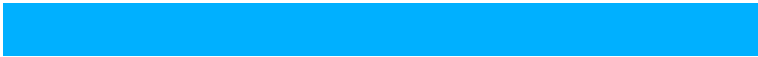
99.9970, 0.3127,
0.3290

■ 9.2101, 0.1540,
0.0745

Harmonies

Analogous

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



38.2852, 0.1919, 0.2198



38.2852, 0.2316, 0.2131



38.2852, 0.2970, 0.2303

Triad

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



38.2852, 0.2316, 0.2131



38.2852, 0.4658, 0.3742



38.2852, 0.2438, 0.4030

Complementary

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



38.2852, 0.2316, 0.2131



81.9894, 0.3885, 0.4225

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.



38.2852, 0.3127, 0.4622



38.2852, 0.2316, 0.2131



38.2852, 0.4427, 0.4288

Square

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



38.2852, 0.2316, 0.2131



38.2852, 0.4417, 0.3178



38.2852, 0.3855, 0.4667



38.2852, 0.1971, 0.3204

Rectangle

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



38.2852, 0.2316, 0.2131



38.2852, 0.3497, 0.2531



38.2852, 0.3855, 0.4667



38.2852, 0.2651, 0.4277

Sweetspot

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



38.2866, 0.2316, 0.2131



76.6166, 0.2903, 0.2986



83.0035, 0.2613, 0.3533



15.7029, 0.2866, 0.2934



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.



38.2866, 0.2316, 0.2131



30.4921, 0.2140, 0.1856



35.2667, 0.2528, 0.1963



17.9134, 0.2979, 0.3089



4.9676, 0.1546, 0.0766



0.6213, 0.1597, 0.0949

Inverse Universe

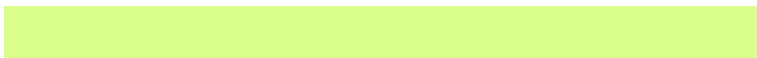
The Inverse Universe completely reimagines the original color for something new.



42.5936, 0.4116, 0.3074



36.0180, 0.4434, 0.3039



88.3777, 0.3546, 0.4505



18.0412, 0.3266, 0.3247



11.2294, 0.6125, 0.3148



1.1073, 0.5836, 0.2988

Previews

White Background



This preview shows how the Yxy color 38.2852, 0.2316, 0.2131 looks on a white background.

Color Contrast Check

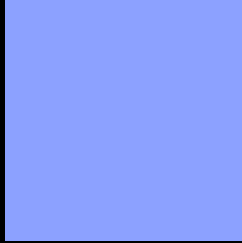
Large Text (above 18pt) WCAG AA × Fail

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 38.2852, 0.2316, 0.2131 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 38.2852, 0.2316, 0.2131

Background



This preview shows how black text looks on a background with the Yxy color 38.2852, 0.2316, 0.2131.



This preview shows how white text looks on a background with the Yxy color 38.2852, 0.2316, 0.2131.

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

38.2852, 0.2316, 0.2131

Protanopia

38.4009, 0.2279, 0.2144

Deuteranopia

38.2036, 0.2229, 0.2163



Tritanopia

38.4716, 0.2606, 0.3081

Trichromacy



Original Color

38.2852, 0.2316, 0.2131

Protanomaly

38.2949, 0.2294, 0.2136

Deuteranomaly

38.3738, 0.2264, 0.2160

Tritanomaly

38.2207, 0.2494, 0.2689

Monochromacy



Original Color

38.2852, 0.2316, 0.2131

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.6961, 0.2782, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2852, 0.2316, 0.2131 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, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 161, 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, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.2852, 0.2316, 0.2131 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, 161, 255) }
```

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

```
.border{ border-color:rgb(140, 161, 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, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2852, 0.2316, 0.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 161, 255) }
```

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

```
.background{ background-color: rgb(140,  
161, 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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