

Converting Colors

$Y_{xy}(38.2290, 0.2351, 0.2119)$

Have a look what the booklet for
Yxy(38.2290, 0.2351, 0.2119)
contains.

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Color

Yxy(38.1273, 0.2348, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	929FFF
RGB	146, 159, 255
RGB Percent	57%, 62%, 100%
CMY	0.4273, 0.3765, 0.0000
CMYK	0.43, 0.38, 0.00, 0.00
HSL	233°, 100%, 79%
HSV	233°, 43%, 100%
XYZ	42.3076, 38.1273, 99.7508
YIQ	166.0570, -38.5640, 27.1000

Conversions

Conversions Part 2

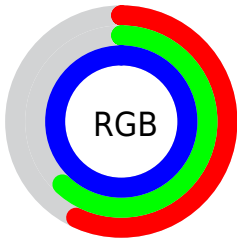
Format	Color
RYB	146, 158, 255
Decimal	9609215
CIELab	68.11, 19.20, -49.22
CIELCh	68, 52.833, 291.314
Yxy	38.1273, 0.2348, 0.2116
Android (android.graphics.Color)	4287799295 (0xFF929FFF)
YUV	166.0570, 43.8489, -17.5900
Hunter-Lab	61.7473, 14.2457, -52.5580

Details

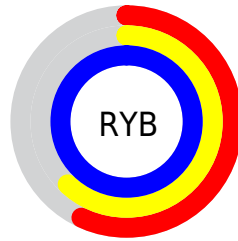
The Yxy color **38.1273, 0.2348, 0.2116** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.8626, 0.3816, 0.4239**, and the grayscale version is **37.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6459, 0.2798, 0.2836**, and **16.9262, 0.2133, 0.1835** is the 20% darker color. If you saturate the color by 10%, you get **29.0080, 0.2143, 0.1789**, and if you desaturate by 10%, it is **49.1725, 0.2552, 0.2433**.

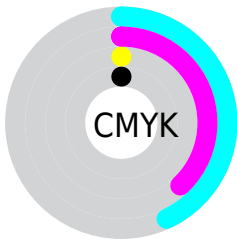
Distribution



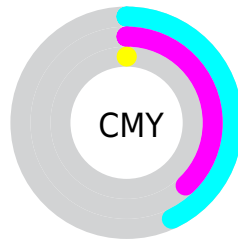
- Red (57%)
- Green (62%)
- Blue (100%)



- Red (57%)
- Yellow (62%)
- Blue (100%)



- Cyan (43%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1273, 0.2348, 0.2116 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 38.1273, 0.2348, 0.2116 by changing the saturation by 10% instead.


 38.1273, 0.2348,
0.2116


 38.1273, 0.2348,
0.2116


338.1657, 0.2740,
0.2672

 26.0815, 0.2253,
0.1990


 72.3032, 0.2489,
0.2309

 16.8846, 0.2134,
0.1835

 95.2021, 0.2542,
0.2385

 10.1523, 0.1980,
0.1643


122.4875, 0.2588,
0.2449

 5.5000, 0.1778,
0.1402

154.5438, 0.2627,
0.2506

 2.5435, 0.1506,
0.1096

191.7554, 0.2661,
0.2555

 0.8984, 0.1135,
0.0718

234.5066, 0.2690,

 0.0000, 0.0475,

0.2599

0.0000

283.1820, 0.2717,
0.2637

0.0000, 0.0000,
0.0000

38.1273, 0.2348,
0.2116

38.1273, 0.2348,
0.2116

29.0080, 0.2143,
0.1789

49.1725, 0.2552,
0.2433

21.7026, 0.1949,
0.1469

62.2449, 0.2746,
0.2727

16.0887, 0.1778,
0.1176

77.4399, 0.2924,
0.2994

12.0280, 0.1645,
0.0932

94.8462, 0.3086,
0.3231

9.3597, 0.1557,
0.0754

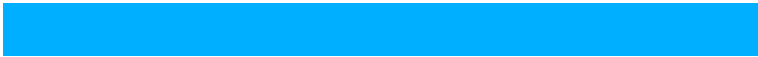
100.0000, 0.3127,
0.3290

■ 8.1656, 0.1520,
0.0670

Harmonies

Analogous

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



38.1273, 0.1921, 0.2160



38.1273, 0.2348, 0.2116



38.1273, 0.3034, 0.2311

Triad

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



38.1273, 0.2348, 0.2116



38.1273, 0.4688, 0.3797



38.1273, 0.2370, 0.3976

Complementary

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



38.1273, 0.2348, 0.2116



86.8626, 0.3816, 0.4239

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.



38.1273, 0.3059, 0.4623



38.1273, 0.2348, 0.2116



38.1273, 0.4412, 0.4348

Square

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



38.1273, 0.2348, 0.2116



38.1273, 0.4487, 0.3222



38.1273, 0.3806, 0.4714



38.1273, 0.1921, 0.3130

Rectangle

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



38.1273, 0.2348, 0.2116



38.1273, 0.3576, 0.2553



38.1273, 0.3806, 0.4714



38.1273, 0.2580, 0.4239

Sweetspot

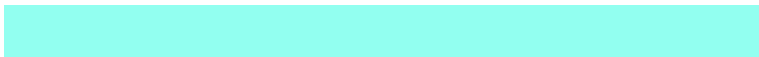
The Sweet Spot groups the original color and five complimentary colors.



38.1276, 0.2348, 0.2116



77.0064, 0.2920, 0.2987



83.9530, 0.2609, 0.3454



15.7274, 0.2882, 0.2931



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.



38.1276, 0.2348, 0.2116



30.4555, 0.2178, 0.1846



38.2243, 0.2609, 0.2053



17.7257, 0.2979, 0.3074



4.3756, 0.1524, 0.0685



0.5320, 0.1565, 0.0832

Inverse Universe

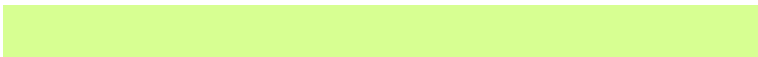
The Inverse Universe completely reimagines the original color for something new.



44.3300, 0.4115, 0.3157



37.8205, 0.4422, 0.3136



88.0500, 0.3491, 0.4456



18.0222, 0.3276, 0.3262



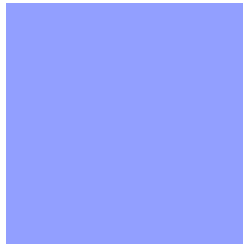
11.1697, 0.6257, 0.3221



1.0982, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 38.1273, 0.2348, 0.2116 looks on a white background.

Color Contrast Check

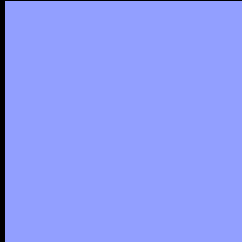
Large Text (above 18pt) WCAG AA × Fail

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 38.1273, 0.2348, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

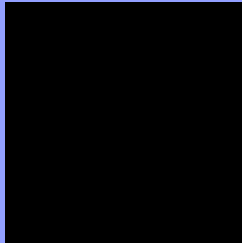
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1273, 0.2348, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 38.1273, 0.2348, 0.2116.



This preview shows how white text looks on a background with the Yxy color 38.1273, 0.2348, 0.2116.

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

38.1273, 0.2348, 0.2116

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.2036, 0.2229, 0.2163



Tritanopia

38.0642, 0.2657, 0.3082

Trichromacy



Original Color

38.1273, 0.2348, 0.2116

Protanomaly

38.3790, 0.2300, 0.2138

Deuteranomaly

38.1754, 0.2273, 0.2150

Tritanomaly

37.9096, 0.2536, 0.2679

Monochromacy



Original Color

38.1273, 0.2348, 0.2116

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.6425, 0.2806, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1273, 0.2348, 0.2116 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(146, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 159, 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(146, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1273, 0.2348, 0.2116 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(146, 159, 255) }
```

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

```
.border{ border-color:rgb(146, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1273, 0.2348, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 159, 255) }
```

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

```
.background{ background-color: rgb(146,  
159, 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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