

Converting Colors

$Y_{xy}(39.5389, 0.2270, 0.1982)$

Have a look what the booklet for
Yxy(39.5389, 0.2270, 0.1982)
contains.

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Color

Yxy(38.4726, 0.2350, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	92A0FF
RGB	146, 160, 255
RGB Percent	57%, 63%, 100%
CMY	0.4276, 0.3725, 0.0001
CMYK	0.43, 0.37, 0.00, 0.00
HSL	232°, 100%, 79%
HSV	232°, 43%, 100%
XYZ	42.4662, 38.4726, 99.7685
YIQ	166.6440, -38.8390, 26.5770

Conversions

Conversions Part 2

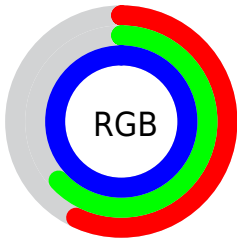
Format	Color
R _Y B	146, 158, 255
Decimal	9609471
CIE Lab	68.37, 18.59, -48.79
CIE LCh	68, 52.216, 290.855
Yxy	38.4726, 0.2350, 0.2129
Android (android.graphics.Color)	4287799551 (0xFF92A0FF)
YUV	166.6440, 43.5595, -18.1048
Hunter-Lab	62.0263, 13.6638, -51.9489

Details

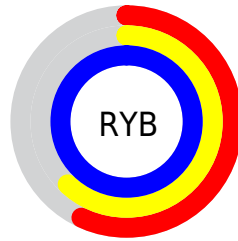
The Yxy color **38.4726, 0.2350, 0.2129** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.1929, 0.3821, 0.4230**, and the grayscale version is **38.2589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6582, 0.2800, 0.2858**, and **17.1383, 0.2136, 0.1851** is the 20% darker color. If you saturate the color by 10%, you get **29.3665, 0.2146, 0.1805**, and if you desaturate by 10%, it is **49.4781, 0.2553, 0.2442**.

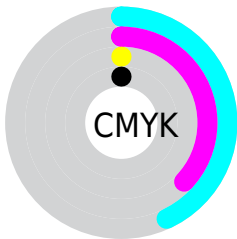
Distribution



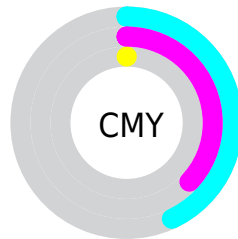
- Red (57%)
- Green (63%)
- Blue (100%)



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



- Cyan (43%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4726, 0.2350, 0.2129 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 38.4726, 0.2350, 0.2129 by changing the saturation by 10% instead.


 38.4726, 0.2350,
0.2129


 38.4726, 0.2350,
0.2129


339.6430, 0.2740,
0.2679

 26.3497, 0.2255,
0.2004


 72.8319, 0.2490,
0.2320

 17.0854, 0.2137,
0.1851


 95.8371, 0.2543,
0.2395

 10.2954, 0.1984,
0.1660


123.2386, 0.2589,
0.2459

 5.5953, 0.1783,
0.1421

155.4206, 0.2628,
0.2515

 2.6006, 0.1513,
0.1116

192.7677, 0.2661,
0.2563

 0.9270, 0.1144,
0.0738

235.6642, 0.2691,


 0.0000, 0.0495,


0.2606


0.0000


284.4945, 0.2717,
0.2645


 0.0000, 0.0000,
0.0000


 38.4726, 0.2350,
0.2129


 38.4726, 0.2350,
0.2129


 29.3665, 0.2146,
0.1805


 49.4781, 0.2553,
0.2442


 22.0474, 0.1953,
0.1486


 62.4785, 0.2746,
0.2733

 16.3972, 0.1783,
0.1194

 77.5678, 0.2924,
0.2997

 12.2817, 0.1649,
0.0949

 94.8327, 0.3086,
0.3231

 9.5448, 0.1560,
0.0768

99.9980, 0.3127,
0.3290

■ 8.2979, 0.1522,
0.0680

Harmonies

Analogous

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



38.4726, 0.1931, 0.2178



38.4726, 0.2350, 0.2129



38.4726, 0.3024, 0.2318

Triad

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



38.4726, 0.2350, 0.2129



38.4726, 0.4667, 0.3785



38.4726, 0.2390, 0.3978

Complementary

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



38.4726, 0.2350, 0.2129



86.1929, 0.3821, 0.4230

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.



38.4726, 0.3073, 0.4607



38.4726, 0.2350, 0.2129



38.4726, 0.4403, 0.4329

Square

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



38.4726, 0.2350, 0.2129



38.4726, 0.4460, 0.3216



38.4726, 0.3810, 0.4691



38.4726, 0.1941, 0.3146

Rectangle

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



38.4726, 0.2350, 0.2129



38.4726, 0.3558, 0.2556



38.4726, 0.3810, 0.4691



38.4726, 0.2599, 0.4234

Sweetspot

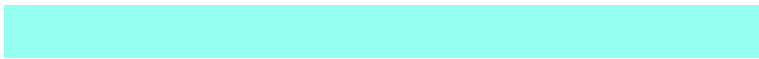
The Sweet Spot groups the original color and five complimentary colors.



38.4740, 0.2350, 0.2129



77.1851, 0.2920, 0.2991



83.9257, 0.2609, 0.3454



15.7709, 0.2882, 0.2935



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.



38.4740, 0.2350, 0.2129



30.8360, 0.2181, 0.1862



38.1979, 0.2608, 0.2052



17.7549, 0.2979, 0.3076



4.4529, 0.1527, 0.0696



0.5457, 0.1570, 0.0850

Inverse Universe

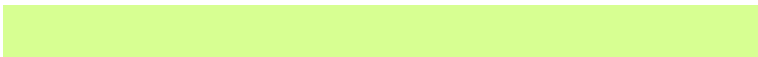
The Inverse Universe completely reimagines the original color for something new.



44.3415, 0.4104, 0.3146



37.8589, 0.4406, 0.3122



88.0221, 0.3491, 0.4456



18.0252, 0.3274, 0.3260



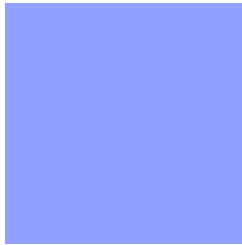
11.1775, 0.6240, 0.3211



1.0996, 0.5990, 0.3073

Previews

White Background



This preview shows how the Yxy color 38.4726, 0.2350, 0.2129 looks on a white background.

Color Contrast Check

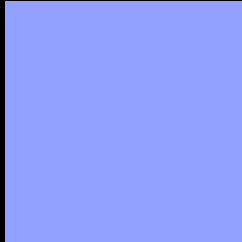
Large Text (above 18pt) WCAG AA × Fail

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 38.4726, 0.2350, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

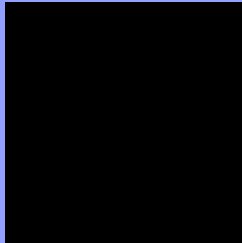
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4726, 0.2350, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 38.4726, 0.2350, 0.2129.



This preview shows how white text looks on a background with the Yxy color 38.4726, 0.2350, 0.2129.

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

38.4726, 0.2350, 0.2129

Protanopia

38.4009, 0.2279, 0.2144

Deuteranopia

38.7133, 0.2242, 0.2179



Tritanopia

38.4921, 0.2652, 0.3083

Trichromacy



Original Color

38.4726, 0.2350, 0.2129

Protanomaly

38.4639, 0.2306, 0.2140

Deuteranomaly

38.6122, 0.2281, 0.2165

Tritanomaly

38.2803, 0.2538, 0.2694

Monochromacy



Original Color

38.4726, 0.2350, 0.2129

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.0454, 0.2800, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4726, 0.2350, 0.2129 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, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 160, 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, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.4726, 0.2350, 0.2129 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, 160, 255) }
```

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

```
.border{ border-color:rgb(146, 160, 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, 160, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4726, 0.2350, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 160, 255) }
```

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

```
.background{ background-color: rgb(146,  
160, 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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