

Converting Colors

$Y_{xy}(42.1878, 0.2437, 0.2291)$

Have a look what the booklet for
Yxy(42.1878, 0.2437, 0.2291)
contains.

Yxy(42.2110, 0.2439, 0.2292)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.2110, 0.2439, 0.2292)

Conversions

Conversions Part 1

Format	Color
Hex	9AA9FB
RGB	154, 169, 251
RGB Percent	60%, 66%, 98%
CMY	0.3963, 0.3372, 0.0157
CMYK	0.39, 0.33, 0.00, 0.02
HSL	231°, 92%, 79%
HSV	231°, 39%, 98%
XYZ	44.9183, 42.2110, 97.0374
YIQ	173.8630, -35.2620, 22.3220

Conversions

Conversions Part 2

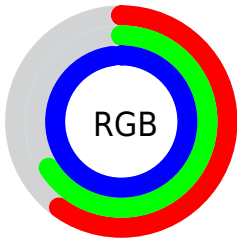
Format	Color
RYB	154, 167, 251
Decimal	10136059
CIELab	71.02, 14.39, -42.44
CIELCh	71, 44.813, 288.733
Yxy	42.2110, 0.2439, 0.2292
Android (android.graphics.Color)	4288326139 (0xFF9AA9FB)
YUV	173.8630, 38.0285, -17.4199
Hunter-Lab	64.9700, 9.7119, -43.0749

Details

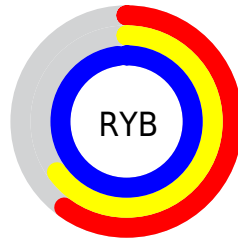
The Yxy color **42.2110, 0.2439, 0.2292** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.7857, 0.3762, 0.4120**, and the grayscale version is **42.0655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3802, 0.2850, 0.2962**, and **19.2143, 0.2249, 0.2044** is the 20% darker color. If you saturate the color by 10%, you get **32.7423, 0.2238, 0.1980**, and if you desaturate by 10%, it is **53.4768, 0.2636, 0.2588**.

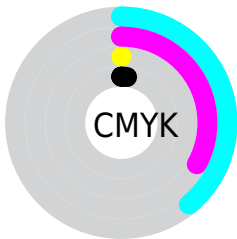
Distribution



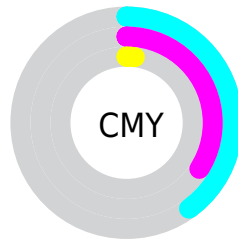
- Red (60%)
- Green (66%)
- Blue (98%)



- Red (60%)
- Yellow (65%)
- Blue (98%)



- Cyan (39%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)





- Cyan (40%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2110, 0.2439, 0.2292 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 42.2110, 0.2439, 0.2292 by changing the saturation by 10% instead.


 42.2110, 0.2439,
0.2292


 42.2110, 0.2439,
0.2292

355.3569, 0.2781,
0.2767

 29.2665, 0.2356,
0.2183


 78.5189, 0.2562,
0.2458

 19.2826, 0.2252,
0.2048


 102.6511, 0.2608,
0.2522

 11.8746, 0.2118,
0.1879


131.2813, 0.2648,
0.2577

 6.6584, 0.1940,
0.1662

164.7940, 0.2682,
0.2625

 3.2494, 0.1697,
0.1378

203.5735, 0.2712,
0.2667

 1.2633, 0.1355,
0.1005

248.0042, 0.2738,

 0.1125, 0.0818,

0.2704

0.0201

298.4705, 0.2761,
0.2737

0.0000, 0.0000,
0.0000

42.2110, 0.2439,
0.2292

42.2110, 0.2439,
0.2292

32.7423, 0.2238,
0.1980

53.4768, 0.2636,
0.2588

24.9721, 0.2041,
0.1664

66.6219, 0.2822,
0.2859

18.7992, 0.1862,
0.1362

81.7291, 0.2993,
0.3102

14.1097, 0.1713,
0.1094

98.8748, 0.3147,
0.3317

10.7736, 0.1603,
0.0878

99.7444, 0.3150,
0.3328

■ 8.6282, 0.1537,
0.0726

■ 8.4133, 0.1531,
0.0710

Harmonies

Analogous

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



42.2110, 0.2089, 0.2359



42.2110, 0.2439, 0.2292



42.2110, 0.3002, 0.2440

Triad

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



42.2110, 0.2439, 0.2292



42.2110, 0.4418, 0.3702



42.2110, 0.2552, 0.3902

Complementary

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



42.2110, 0.2439, 0.2292



82.7857, 0.3762, 0.4120

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.



42.2110, 0.3143, 0.4385



42.2110, 0.2439, 0.2292



42.2110, 0.4238, 0.4161

Square

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



42.2110, 0.2439, 0.2292



42.2110, 0.4208, 0.3210



42.2110, 0.3762, 0.4451



42.2110, 0.2141, 0.3230

Rectangle

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



42.2110, 0.2439, 0.2292



42.2110, 0.3445, 0.2641



42.2110, 0.3762, 0.4451



42.2110, 0.2735, 0.4100

Sweetspot

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



42.2126, 0.2439, 0.2292



79.2535, 0.2937, 0.3024



81.8407, 0.2665, 0.3474



16.5195, 0.2915, 0.2993



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.



42.2126, 0.2439, 0.2292



36.3451, 0.2290, 0.2063



40.5365, 0.2645, 0.2176



17.0780, 0.2979, 0.3083



4.5545, 0.1536, 0.0729



0.5454, 0.1586, 0.0910

Inverse Universe

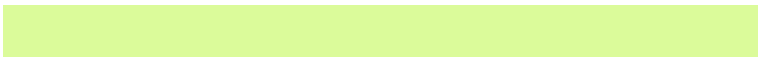
The Inverse Universe completely reimagines the original color for something new.



46.4681, 0.3942, 0.3131



41.7483, 0.4183, 0.3103



86.3242, 0.3484, 0.4331



17.2691, 0.3269, 0.3253



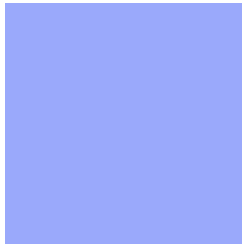
10.8707, 0.6185, 0.3181



1.0193, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 42.2110, 0.2439, 0.2292 looks on a white background.

Color Contrast Check

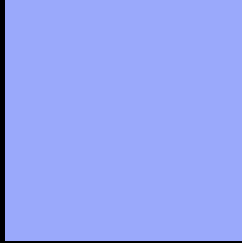
Large Text (above 18pt) WCAG AA × Fail

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 42.2110, 0.2439, 0.2292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

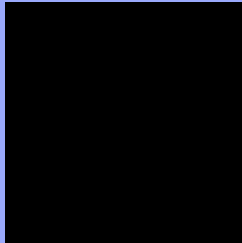
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2110, 0.2439, 0.2292

Background



This preview shows how black text looks on a background with the Yxy color 42.2110, 0.2439, 0.2292.



This preview shows how white text looks on a background with the Yxy color 42.2110, 0.2439, 0.2292.

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

42.2110, 0.2439, 0.2292

Protanopia

42.3571, 0.2394, 0.2296

Deuteranopia

42.2468, 0.2382, 0.2323



Tritanopia

42.1581, 0.2701, 0.3078

Trichromacy



Original Color

42.2110, 0.2439, 0.2292

Protanomaly

42.2618, 0.2411, 0.2288

Deuteranomaly

42.2310, 0.2405, 0.2316

Tritanomaly

41.9767, 0.2601, 0.2766

Monochromacy



Original Color

42.2110, 0.2439, 0.2292

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.9848, 0.2849, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2110, 0.2439, 0.2292 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(154, 169, 251)` looks like.

```
.text, #text, p{  
    color:rgb(154, 169, 251)  
}
```

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(154, 169, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 169, 251) }
```

Border

The CSS property to change the border of an element to Yxy 42.2110, 0.2439, 0.2292 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(154, 169, 251) }
```

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

```
.border{ border-color:rgb(154, 169, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 169, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 169, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 169, 251);  
box-shadow:4px 4px 4px 4px rgb(154, 169,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2110, 0.2439, 0.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 169, 251) }
```

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

```
.background{ background-color: rgb(154,  
169, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor