

Converting Colors

$Y_{xy}(38.1721, 0.2420, 0.2119)$

Have a look what the booklet for
Yxy(38.1721, 0.2420, 0.2119)
contains.

Yxy(38.0369, 0.2424, 0.2119)	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(38.0369, 0.2424, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	9D9CFD
RGB	157, 156, 253
RGB Percent	62%, 61%, 99%
CMY	0.3845, 0.3881, 0.0079
CMYK	0.38, 0.38, 0.00, 0.01
HSL	241°, 96%, 80%
HSV	241°, 38%, 99%
XYZ	43.5118, 38.0369, 97.9553
YIQ	167.3570, -30.5410, 30.3790

Conversions

Conversions Part 2

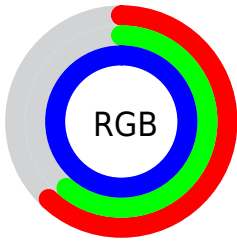
Format	Color
RYB	157, 156, 253
Decimal	10329341
CIELab	68.05, 23.08, -48.16
CIElCh	68, 53.406, 295.603
Yxy	38.0369, 0.2424, 0.2119
Android (android.graphics.Color)	4288519421 (0xFF9D9CFD)
YUV	167.3570, 42.2220, -9.0831
Hunter-Lab	61.6741, 18.0042, -50.9969

Details

The Yxy color **38.0369, 0.2424, 0.2119** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.3400, 0.3698, 0.4246**, and the grayscale version is **38.6258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6093, 0.2862, 0.2812**, and **16.8554, 0.2224, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **28.1465, 0.2207, 0.1760**, and if you desaturate by 10%, it is **50.2146, 0.2633, 0.2466**.

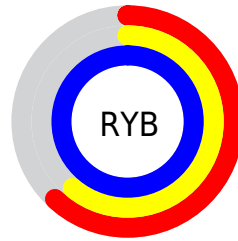
Distribution



Red (62%)

Green (61%)

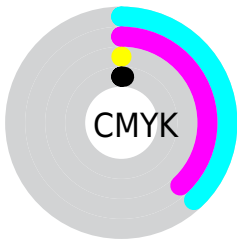
Blue (99%)



Red (62%)

Yellow (61%)

Blue (99%)

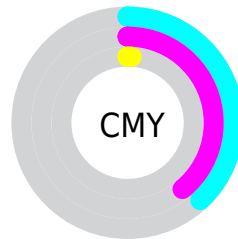


Cyan (38%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (38%)


Magenta (39%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0369, 0.2424, 0.2119 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 38.0369, 0.2424, 0.2119 by changing the saturation by 10% instead.


 38.0369, 0.2424,
0.2119


 38.0369, 0.2424,
0.2119


337.7782, 0.2781,
0.2672

 26.0113, 0.2336,
0.1993


 72.1647, 0.2553,
0.2311

 16.8321, 0.2225,
0.1840


 95.0357, 0.2602,
0.2386

 10.1149, 0.2082,
0.1650


122.2907, 0.2644,
0.2450

 5.4752, 0.1891,
0.1410

154.3139, 0.2679,
0.2506

 2.5287, 0.1629,
0.1106

191.4899, 0.2710,
0.2555

 0.8909, 0.1265,
0.0728

234.2031, 0.2737,

 0.0000, 0.0649,

0.2599

0.0000

282.8377, 0.2760,
0.2637

■ 0.0000, 0.0000,
0.0000

■ 38.0369, 0.2424,
0.2119

■ 38.0369, 0.2424,
0.2119

■ 28.1465, 0.2207,
0.1760

■ 50.2146, 0.2633,
0.2466

■ 20.3969, 0.1996,
0.1411

■ 64.8056, 0.2826,
0.2788

■ 14.6310, 0.1807,
0.1099

■ 81.9317, 0.2999,
0.3076

■ 10.6688, 0.1657,
0.0851

■ 99.8702, 0.3139,
0.3309

■ 8.2974, 0.1556,
0.0688

■ 7.2250, 0.1507,
0.0610

■ 7.1059, 0.1502,
0.0601

Harmonies

Analogous

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



38.0369, 0.1953, 0.2126



38.0369, 0.2424, 0.2119



38.0369, 0.3147, 0.2347

Triad

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



38.0369, 0.2424, 0.2119



38.0369, 0.4692, 0.3883



38.0369, 0.2279, 0.3862

Complementary

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



38.0369, 0.2424, 0.2119



93.3400, 0.3698, 0.4246

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.



38.0369, 0.2948, 0.4577



38.0369, 0.2424, 0.2119



38.0369, 0.4352, 0.4427

Square

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



38.0369, 0.2424, 0.2119



38.0369, 0.4563, 0.3301



38.0369, 0.3708, 0.4752



38.0369, 0.1868, 0.3016

Rectangle

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



38.0369, 0.2424, 0.2119



38.0369, 0.3699, 0.2608



38.0369, 0.3708, 0.4752



38.0369, 0.2479, 0.4141

Sweetspot

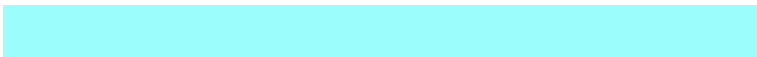
The Sweet Spot groups the original color and five complimentary colors.



38.0383, 0.2424, 0.2119



78.4973, 0.2955, 0.3003



84.3952, 0.2593, 0.3288



16.2828, 0.2932, 0.2964



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.



38.0383, 0.2424, 0.2119



30.7847, 0.2257, 0.1843



43.7831, 0.2776, 0.2223



17.3861, 0.2980, 0.3044



3.7844, 0.1503, 0.0602



0.3713, 0.1510, 0.0605

Inverse Universe

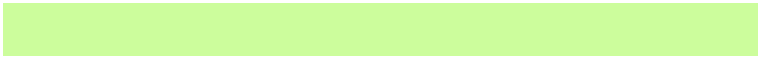
The Inverse Universe completely reimagines the original color for something new.



51.6940, 0.3179, 0.2349



46.4989, 0.3189, 0.2176



85.5438, 0.3372, 0.4360



18.2972, 0.3140, 0.3058



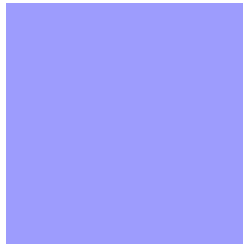
14.8012, 0.3233, 0.1555



1.4421, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 38.0369, 0.2424, 0.2119 looks on a white background.

Color Contrast Check

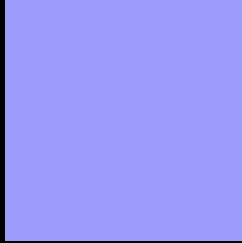
Large Text (above 18pt) WCAG AA × Fail

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 38.0369, 0.2424, 0.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

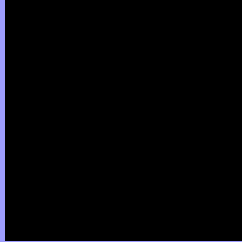
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0369, 0.2424, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 38.0369, 0.2424, 0.2119.



This preview shows how white text looks on a background with the Yxy color 38.0369, 0.2424, 0.2119.

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

38.0369, 0.2424, 0.2119

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.2353, 0.2258, 0.2196



Tritanopia

37.8729, 0.2771, 0.3085

Trichromacy



Original Color

38.0369, 0.2424, 0.2119

Protanomaly

37.9601, 0.2324, 0.2129

Deuteranomaly

38.1873, 0.2315, 0.2166

Tritanomaly

37.7168, 0.2636, 0.2687

Monochromacy



Original Color

38.0369, 0.2424, 0.2119

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.0581, 0.2840, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0369, 0.2424, 0.2119 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(157, 156, 253)` looks like.

```
.text, #text, p{  
    color:rgb(157, 156, 253)  
}
```

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(157, 156, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 156, 253) }
```

Border

The CSS property to change the border of an element to Yxy 38.0369, 0.2424, 0.2119 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(157, 156, 253) }
```

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

```
.border{ border-color:rgb(157, 156, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 156, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 156, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 156, 253);  
box-shadow:4px 4px 4px 4px rgb(157, 156,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0369, 0.2424, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 156, 253) }
```

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

```
.background{ background-color: rgb(157,  
156, 253) }
```

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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