

Converting Colors

$Y_{xy}(38.2472, 0.2580, 0.2332)$

Have a look what the booklet for
Yxy(38.2472, 0.2580, 0.2332)
contains.

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Color

Yxy(38.2384, 0.2576, 0.2327)

Conversions

Conversions Part 1

Format	Color
Hex	A39EEB
RGB	163, 158, 235
RGB Percent	64%, 62%, 92%
CMY	0.3607, 0.3804, 0.0784
CMYK	0.31, 0.33, 0.00, 0.08
HSL	244°, 66%, 77%
HSV	244°, 33%, 92%
XYZ	42.3301, 38.2384, 83.7564
YIQ	168.2730, -21.7370, 25.0070

Conversions

Conversions Part 2

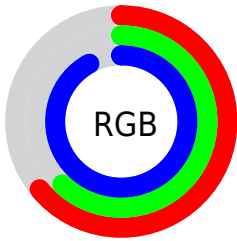
Format	Color
RYB	163, 158, 235
Decimal	10723051
CIELab	68.20, 18.92, -38.09
CIElCh	68, 42.527, 296.416
Yxy	38.2384, 0.2576, 0.2327
Android (android.graphics.Color)	4288913131 (0xFFA39EEB)
YUV	168.2730, 32.8964, -4.6244
Hunter-Lab	61.8372, 13.9754, -37.0202

Details

The Yxy color **38.2384, 0.2576, 0.2327** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.7146, 0.3584, 0.4118**, and the grayscale version is **39.1442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8686, 0.2897, 0.2849**, and **17.0213, 0.2414, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **28.8533, 0.2372, 0.1979**, and if you desaturate by 10%, it is **49.5622, 0.2766, 0.2655**.

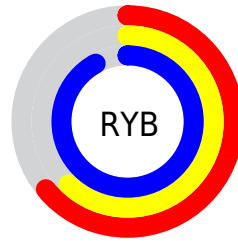
Distribution



Red (64%)

Green (62%)

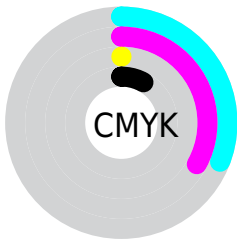
Blue (92%)



Red (64%)

Yellow (62%)

Blue (92%)

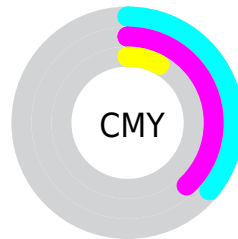


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (36%)


Magenta (38%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2384, 0.2576, 0.2327 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 38.2384, 0.2576, 0.2327 by changing the saturation by 10% instead.


 38.2384, 0.2576,
0.2327


 38.2384, 0.2576,
0.2327


338.6415, 0.2859,
0.2792

 26.1678, 0.2505,
0.2218


 72.4734, 0.2680,
0.2491

 16.9492, 0.2413,
0.2082


 95.4066, 0.2719,
0.2554

 10.1983, 0.2292,
0.1909


122.7293, 0.2751,
0.2608

 5.5306, 0.2127,
0.1685

154.8261, 0.2779,
0.2655

 2.5618, 0.1891,
0.1385

192.0814, 0.2803,
0.2696

 0.9075, 0.1538,
0.0981


234.8794, 0.2824,


 0.0000, 0.0755,


0.2731


0.0000


283.6047, 0.2843,
0.2763


 0.0000, 0.0000,
0.0000


 38.2384, 0.2576,
0.2327


 38.2384, 0.2576,
0.2327


 28.8533, 0.2372,
0.1979


 49.5622, 0.2766,
0.2655


 21.2940, 0.2163,
0.1628


 62.9203, 0.2938,
0.2955

 15.4428, 0.1962,
0.1296

 78.4073, 0.3089,
0.3222

 11.1663, 0.1785,
0.1009

 96.1106, 0.3220,
0.3456

 8.3113, 0.1645,
0.0793

 98.7789, 0.3244,
0.3483

■ 6.6939, 0.1553,
0.0659

■ 6.1032, 0.1516,
0.0609

Harmonies

Analogous

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



38.2384, 0.2172, 0.2336



38.2384, 0.2576, 0.2327



38.2384, 0.3170, 0.2522

Triad

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



38.2384, 0.2576, 0.2327



38.2384, 0.4383, 0.3820



38.2384, 0.2438, 0.3725

Complementary

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



38.2384, 0.2576, 0.2327



78.7146, 0.3584, 0.4118

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.



38.2384, 0.2986, 0.4275



38.2384, 0.2576, 0.2327



38.2384, 0.4121, 0.4242

Square

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



38.2384, 0.2576, 0.2327



38.2384, 0.4276, 0.3335



38.2384, 0.3603, 0.4452



38.2384, 0.2094, 0.3073

Rectangle

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



38.2384, 0.2576, 0.2327



38.2384, 0.3606, 0.2745



38.2384, 0.3603, 0.4452



38.2384, 0.2603, 0.3936

Sweetspot

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



38.2399, 0.2576, 0.2327



80.5517, 0.2981, 0.3031



70.5105, 0.2655, 0.3243



16.7017, 0.2959, 0.2992



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.



38.2399, 0.2576, 0.2327



38.5310, 0.2447, 0.2106



42.7799, 0.2872, 0.2402



14.5958, 0.2990, 0.3047



3.4150, 0.1521, 0.0611



0.2847, 0.1576, 0.0642

Inverse Universe

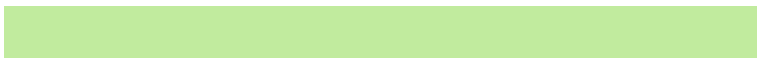
The Inverse Universe completely reimagines the original color for something new.



47.8298, 0.3207, 0.2524



51.6956, 0.3225, 0.2379



73.1849, 0.3314, 0.4196



15.2958, 0.3148, 0.3073



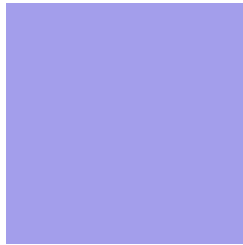
12.7037, 0.3379, 0.1635



1.0027, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 38.2384, 0.2576, 0.2327 looks on a white background.

Color Contrast Check

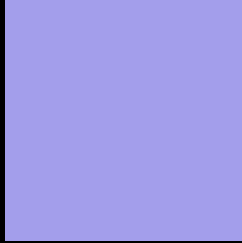
Large Text (above 18pt) WCAG AA × Fail

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 38.2384, 0.2576, 0.2327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

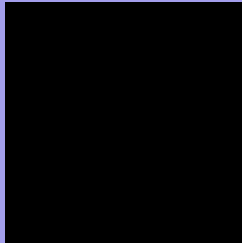
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2384, 0.2576, 0.2327

Background



This preview shows how black text looks on a background with the Yxy color 38.2384, 0.2576, 0.2327.



This preview shows how white text looks on a background with the Yxy color 38.2384, 0.2576, 0.2327.

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

38.2384, 0.2576, 0.2327

Protanopia

38.5337, 0.2417, 0.2328

Deuteranopia

38.2422, 0.2445, 0.2380



Tritanopia

38.4287, 0.2874, 0.3104

Trichromacy



Original Color

38.2384, 0.2576, 0.2327

Protanomaly

38.4977, 0.2472, 0.2325

Deuteranomaly

38.2652, 0.2495, 0.2366

Tritanomaly

38.1952, 0.2762, 0.2797

Monochromacy



Original Color

38.2384, 0.2576, 0.2327

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.4637, 0.2913, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2384, 0.2576, 0.2327 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(163, 158, 235)` looks like.

```
.text, #text, p{  
    color:rgb(163, 158, 235)  
}
```

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(163, 158, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 158, 235) }
```

Border

The CSS property to change the border of an element to Yxy 38.2384, 0.2576, 0.2327 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(163, 158, 235) }
```

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

```
.border{ border-color:rgb(163, 158, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 158, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 158, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 158, 235);  
box-shadow:4px 4px 4px 4px rgb(163, 158,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2384, 0.2576, 0.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 158, 235) }
```

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

```
.background{ background-color: rgb(163,  
158, 235) }
```

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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