

Converting Colors

$Yxy(38.8304, 0.3226, 0.5821)$

Have a look what the booklet for
Yxy(38.8304, 0.3226, 0.5821)
contains.

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Color

Yxy(38.7174, 0.3226, 0.5821)

Conversions

Conversions Part 1

Format	Color
Hex	4ABF00
RGB	74, 191, 0
RGB Percent	29%, 75%, 0%
CMY	0.7096, 0.2510, 1.0000
CMYK	0.61, 0.00, 1.00, 0.25
HSL	97°, 100%, 37%
HSV	97°, 100%, 75%
XYZ	21.4572, 38.7174, 6.3387
YIQ	134.2430, -8.4210, -84.2050

Conversions

Conversions Part 2

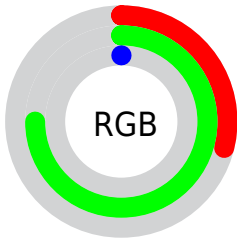
Format	Color
RYB	0, 191, 117
Decimal	4898560
CIELab	68.55, -59.97, 68.26
CIELCh	69, 90.861, 131.304
Yxy	38.7174, 0.3226, 0.5821
Android (android.graphics.Color)	4283088640 (0xFF4ABF00)
YUV	134.2430, -66.1818, -52.8331
Hunter-Lab	62.2233, -47.3365, 37.5164

Details

The Yxy color **38.7174, 0.3226, 0.5821** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **7.5399, 0.2257, 0.1017**, and the grayscale version is **24.1911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0177, 0.3296, 0.5314**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.7193, 0.3226, 0.5821**, and if you desaturate by 10%, it is **39.2751, 0.3277, 0.5704**.

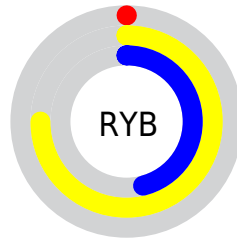
Distribution



Red (29%)

Green (75%)

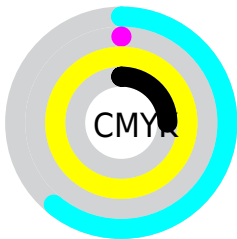
Blue (0%)



Red (0%)

Yellow (75%)

Blue (46%)

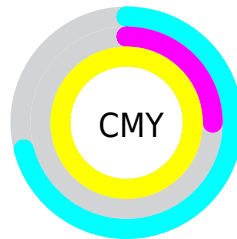


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (71%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7174, 0.3226, 0.5821 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 38.7174, 0.3226, 0.5821 by changing the saturation by 10% instead.


 38.7174, 0.3226,
0.5821


 38.7174, 0.3226,
0.5821


340.6875, 0.3301,
0.4456

 26.5400, 0.3150,
0.6159


 73.2064, 0.3293,
0.5318


 17.2280, 0.3015,
0.6571


 96.2867, 0.3306,
0.5129


 10.3972, 0.2821,
0.7179


 123.7702, 0.3311,
0.4971

 5.6631, 0.2361,
0.7639

 156.0411, 0.3313,
0.4836

 2.6413, 0.1558,
0.8442

 193.4839, 0.3312,
0.4720

 0.9475, 0.0000,
1.0000

 236.4830, 0.3309,

 0.0000, 0.0000,

0.4620

0.0000

285.4227, 0.3305,
0.4533

■ 38.7174, 0.3226,
0.5821

■ 38.7174, 0.3226,
0.5821

■ 38.7193, 0.3226,
0.5821

■ 39.2751, 0.3277,
0.5704

■ 39.9683, 0.3317,
0.5533

■ 40.8196, 0.3340,
0.5304

■ 41.8415, 0.3344,
0.5031

■ 43.0447, 0.3331,
0.4729

■ 44.4391, 0.3304,
0.4417

■ 46.0337, 0.3267,
0.4109

■ 47.8368, 0.3224,
0.3814

■ 49.8562, 0.3176,
0.3540

Harmonies

Analogous

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



38.7174, 0.4346, 0.5314



38.7174, 0.3226, 0.5821



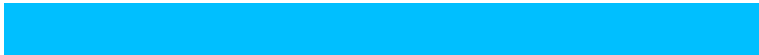
38.7174, 0.2138, 0.5047

Triad

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



38.7174, 0.3226, 0.5821



38.7174, 0.1210, 0.1634



38.7174, 0.5134, 0.2802

Complementary

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



38.7174, 0.3226, 0.5821



7.5399, 0.2257, 0.1017

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.



38.7174, 0.3840, 0.2139



38.7174, 0.3226, 0.5821



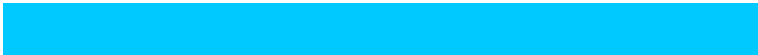
38.7174, 0.1649, 0.1504

Square

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



38.7174, 0.3226, 0.5821



38.7174, 0.1116, 0.2187



38.7174, 0.2524, 0.1681



38.7174, 0.5656, 0.3555

Rectangle

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



38.7174, 0.3226, 0.5821



38.7174, 0.1585, 0.3940



38.7174, 0.2524, 0.1681



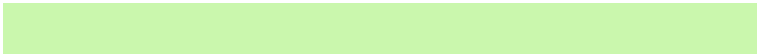
38.7174, 0.4756, 0.2567

Sweetspot

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



38.7193, 0.3226, 0.5821



82.3032, 0.3269, 0.4123



23.2467, 0.5120, 0.4317



17.7971, 0.3286, 0.4254



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7193, 0.3226, 0.5821



69.2171, 0.3215, 0.5829



37.3088, 0.2981, 0.5932



10.8251, 0.3173, 0.3523



25.4894, 0.3235, 0.5813



1.0364, 0.3434, 0.5655

Inverse Universe

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



7.5399, 0.2257, 0.1017



13.3597, 0.2243, 0.1009



14.0510, 0.3479, 0.1690



9.5066, 0.3077, 0.3060



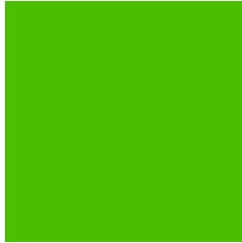
5.0027, 0.2269, 0.1024



0.2326, 0.2496, 0.1149

Previews

White Background



This preview shows how the Yxy color 38.7174, 0.3226, 0.5821 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 38.7174, 0.3226, 0.5821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

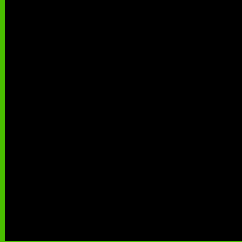
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7174, 0.3226, 0.5821

Background



This preview shows how black text looks on a background with the Yxy color 38.7174, 0.3226, 0.5821.



This preview shows how white text looks on a background with the Yxy color 38.7174, 0.3226, 0.5821.

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

38.7174, 0.3226, 0.5821

Protanopia

37.8372, 0.4405, 0.4884

Deuteranopia

37.8225, 0.4621, 0.4512



Tritanopia

38.7107, 0.2495, 0.3078

Trichromacy



Original Color

38.7174, 0.3226, 0.5821

Protanomaly

36.7709, 0.3905, 0.5282

Deuteranomaly

35.9197, 0.4058, 0.5051

Tritanomaly

37.6518, 0.2878, 0.4324

Monochromacy



Original Color

38.7174, 0.3226, 0.5821

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

27.5433, 0.3316, 0.4557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7174, 0.3226, 0.5821 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(74, 191, 0)` looks like.

```
.text, #text, p{  
  color:rgb(74, 191, 0)  
}
```

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(74, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.7174, 0.3226, 0.5821 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(74, 191, 0) }
```

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

```
.border{ border-color:rgb(74, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.7174, 0.3226, 0.5821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 191, 0) }
```

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

```
.background{ background-color: rgb(74, 191,  
0) }
```

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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