

Converting Colors

$Y_{xy}(35.1272, 0.3038, 0.5970)$

Have a look what the booklet for
Yxy(35.1272, 0.3038, 0.5970)
contains.

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Color

Yxy(35.3374, 0.3038, 0.5970)

Conversions

Conversions Part 1

Format	Color
Hex	1ABA00
RGB	26, 186, 0
RGB Percent	10%, 73%, 0%
CMY	0.8985, 0.2706, 1.0000
CMYK	0.86, 0.00, 1.00, 0.27
HSL	112°, 100%, 36%
HSV	112°, 100%, 73%
XYZ	17.9824, 35.3374, 5.8718
YIQ	116.9560, -35.6540, -91.7660

Conversions

Conversions Part 2

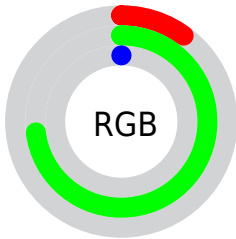
Format	Color
RYB	0, 186, 160
Decimal	1751552
CIELab	66.01, -66.46, 65.84
CIELCh	66, 93.545, 135.268
Yxy	35.3374, 0.3038, 0.5970
Android (android.graphics.Color)	4279941632 (0xFF1ABA00)
YUV	116.9560, -57.6593, -79.7684
Hunter-Lab	59.4453, -50.0323, 35.7552

Details

The Yxy color **35.3374, 0.3038, 0.5970** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.0323, 0.2860, 0.1349**, and the grayscale version is **17.9548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7012, 0.3145, 0.5414**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.3389, 0.3038, 0.5970**, and if you desaturate by 10%, it is **35.6565, 0.3064, 0.5866**.

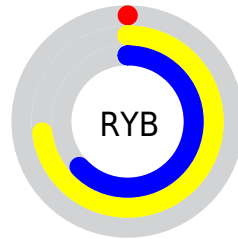
Distribution



Red (10%)

Green (73%)

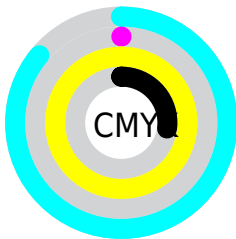
Blue (0%)



Red (0%)

Yellow (73%)

Blue (63%)

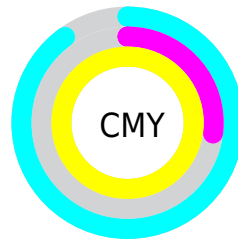


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (90%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3374, 0.3038, 0.5970 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 35.3374, 0.3038, 0.5970 by changing the saturation by 10% instead.


 35.3374, 0.3038,
0.5970


 35.3374, 0.3038,
0.5970


326.0551, 0.3216,
0.4485

 23.9229, 0.2931,
0.6352


 68.0081, 0.3146,
0.5411

 15.2764, 0.2752,
0.6826


 90.0331, 0.3173,
0.5205

 9.0136, 0.2487,
0.7513


 116.3638, 0.3190,
0.5033

 4.7501, 0.1943,
0.8057

 147.3844, 0.3201,
0.4888

 2.1014, 0.0288,
0.9712

 183.4795, 0.3208,
0.4765

 0.6654, 0.0000,
1.0000

 225.0334, 0.3212,

 0.0000, 0.0000,

0.4658

0.0000

272.4304, 0.3215,
0.4566

■ 35.3374, 0.3038,
0.5970

■ 35.3374, 0.3038,
0.5970

■ 35.3389, 0.3038,
0.5970

■ 35.6565, 0.3064,
0.5866

■ 36.1524, 0.3092,
0.5693

■ 36.8571, 0.3116,
0.5447

■ 37.7909, 0.3134,
0.5146

■ 38.9720, 0.3146,
0.4812

■ 40.4163, 0.3150,
0.4470

■ 42.1387, 0.3150,
0.4137

■ 44.1529, 0.3145,
0.3826

■ 46.4714, 0.3137,
0.3543

Harmonies

Analogous

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



35.3374, 0.4212, 0.5504



35.3374, 0.3038, 0.5970



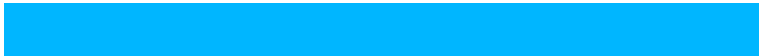
35.3374, 0.1940, 0.4955

Triad

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



35.3374, 0.3038, 0.5970



35.3374, 0.1173, 0.1522



35.3374, 0.5382, 0.2863

Complementary

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



35.3374, 0.3038, 0.5970



11.0323, 0.2860, 0.1349

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.



35.3374, 0.4077, 0.2165



35.3374, 0.3038, 0.5970



35.3374, 0.1674, 0.1439

Square

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



35.3374, 0.3038, 0.5970



35.3374, 0.1030, 0.2012



35.3374, 0.2647, 0.1661



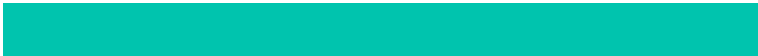
35.3374, 0.5772, 0.3638

Rectangle

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



35.3374, 0.3038, 0.5970



35.3374, 0.1417, 0.3732



35.3374, 0.2647, 0.1661



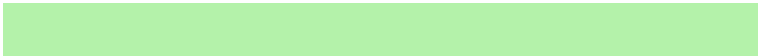
35.3374, 0.5020, 0.2618

Sweetspot

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



35.3389, 0.3038, 0.5970



76.2051, 0.3150, 0.4153



34.9300, 0.4485, 0.4821



16.4788, 0.3151, 0.4293



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.3389, 0.3038, 0.5970



63.9883, 0.3032, 0.5974



35.5038, 0.2853, 0.5469



10.1184, 0.3136, 0.3525



23.7927, 0.3043, 0.5966



0.8581, 0.3177, 0.5859

Inverse Universe

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



11.0323, 0.2860, 0.1349



19.9151, 0.2854, 0.1346



11.8182, 0.4340, 0.2164



9.0977, 0.3116, 0.3063



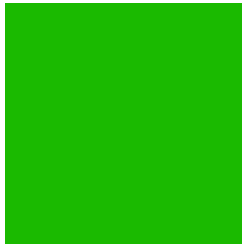
7.4459, 0.2865, 0.1352



0.2801, 0.2959, 0.1404

Previews

White Background



This preview shows how the Yxy color 35.3374, 0.3038, 0.5970 looks on a white background.

Color Contrast Check

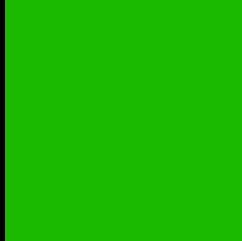
Large Text (above 18pt) WCAG AA × Fail

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 35.3374, 0.3038, 0.5970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

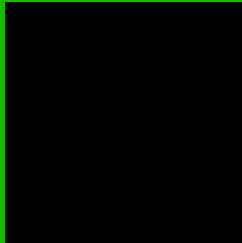
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3374, 0.3038, 0.5970

Background



This preview shows how black text looks on a background with the Yxy color 35.3374, 0.3038, 0.5970.



This preview shows how white text looks on a background with the Yxy color 35.3374, 0.3038, 0.5970.

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

35.3374, 0.3038, 0.5970

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

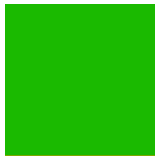
34.5658, 0.4601, 0.4509



Tritanopia

35.2243, 0.2376, 0.3066

Trichromacy



Original Color

35.3374, 0.3038, 0.5970



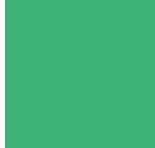
Protanomaly

32.6610, 0.3733, 0.5418



Deuteranomaly

31.9395, 0.3862, 0.5190



Tritanomaly

34.1648, 0.2705, 0.4365

Monochromacy



Original Color

35.3374, 0.3038, 0.5970



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.7252, 0.3153, 0.4703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3374, 0.3038, 0.5970 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(26, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(26, 186, 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(26, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.3374, 0.3038, 0.5970 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(26, 186, 0) }
```

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

```
.border{ border-color:rgb(26, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(26, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(26, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.3374, 0.3038, 0.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 186, 0) }
```

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

```
.background{ background-color: rgb(26, 186,  
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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