

Converting Colors

$Y_{xy}(37.4345, 0.2975, 0.5909)$

Have a look what the booklet for
Yxy(37.4345, 0.2975, 0.5909)
contains.

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Color

Yxy(37.3276, 0.2974, 0.5906)

Conversions

Conversions Part 1

Format	Color
Hex	00BF18
RGB	0, 191, 24
RGB Percent	0%, 75%, 9%
CMY	0.9997, 0.2510, 0.9058
CMYK	1.00, 0.00, 0.87, 0.25
HSL	128°, 100%, 37%
HSV	128°, 100%, 75%
XYZ	18.7965, 37.3276, 7.0787
YIQ	114.8530, -60.2290, -92.4290

Conversions

Conversions Part 2

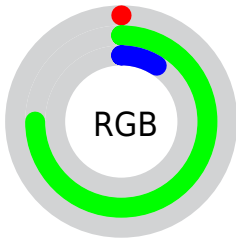
Format	Color
RYB	0, 170, 191
Decimal	48920
CIELab	67.52, -68.70, 63.58
CIELCh	68, 93.611, 137.216
Yxy	37.3276, 0.2974, 0.5906
Android (android.graphics.Color)	4278239000 (0xFF00BF18)
YUV	114.8530, -44.7905, -100.7261
Hunter-Lab	61.0963, -52.0023, 35.8980

Details

The Yxy color **37.3276, 0.2974, 0.5906** is a dark color, and the websafe version is hex **00CC33**. A complement of this color would be **13.8712, 0.3554, 0.1731**, and the grayscale version is **17.2587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2062, 0.3085, 0.5363**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.3283, 0.2974, 0.5906**, and if you desaturate by 10%, it is **37.5611, 0.2962, 0.5764**.

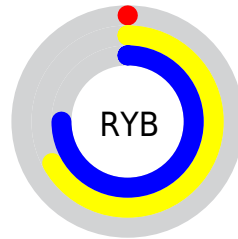
Distribution



Red (0%)

Green (75%)

Blue (9%)



Red (0%)

Yellow (67%)

Blue (75%)

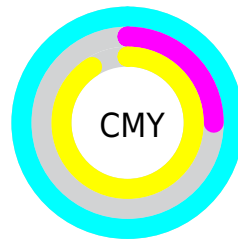


Cyan (100%)

Magenta (0%)

Yellow (87%)

Black (25%)



Cyan (100%)


Magenta (25%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3276, 0.2974, 0.5906 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 37.3276, 0.2974, 0.5906 by changing the saturation by 10% instead.


 37.3276, 0.2974,
0.5906


 37.3276, 0.2974,
0.5906


334.7267, 0.3173,
0.4457


 25.4612, 0.2869,
0.6284


 71.0763, 0.3084,
0.5359

 16.4210, 0.2700,
0.6757


 93.7275, 0.3114,
0.5158


 9.8226, 0.2461,
0.7480


 120.7424, 0.3134,
0.4991

 5.2815, 0.1948,
0.8052

 152.5055, 0.3148,
0.4850

 2.4133, 0.0646,
0.9354

 189.4010, 0.3158,
0.4730

 0.8327, 0.0000,
1.0000

 231.8135, 0.3165,

 0.0000, 0.0000,

0.4626

0.0000

280.1272, 0.3170,
0.4536

■ 37.3276, 0.2974,
0.5906

■ 37.3276, 0.2974,
0.5906

■ 37.3283, 0.2974,
0.5906

■ 37.5611, 0.2962,
0.5764

■ 37.9798, 0.2953,
0.5556

■ 38.6400, 0.2955,
0.5290

■ 39.5716, 0.2965,
0.4986

■ 40.8001, 0.2984,
0.4665

■ 42.3478, 0.3008,
0.4346

■ 44.2353, 0.3037,
0.4042

■ 46.4810, 0.3067,
0.3762

■ 49.1023, 0.3097,
0.3511

Harmonies

Analogous

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



37.3276, 0.4137, 0.5535



37.3276, 0.2974, 0.5906



37.3276, 0.1902, 0.4811

Triad

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



37.3276, 0.2974, 0.5906



37.3276, 0.1216, 0.1528



37.3276, 0.5403, 0.2922

Complementary

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



37.3276, 0.2974, 0.5906



13.8712, 0.3554, 0.1731

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.



37.3276, 0.4159, 0.2221



37.3276, 0.2974, 0.5906



37.3276, 0.1740, 0.1465

Square

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



37.3276, 0.2974, 0.5906



37.3276, 0.1053, 0.1984



37.3276, 0.2736, 0.1705



37.3276, 0.5726, 0.3698

Rectangle

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



37.3276, 0.2974, 0.5906



37.3276, 0.1404, 0.3615



37.3276, 0.2736, 0.1705



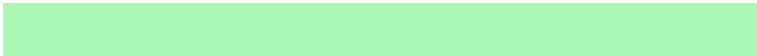
37.3276, 0.5065, 0.2677

Sweetspot

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



37.3291, 0.2974, 0.5906



79.0325, 0.3035, 0.4057



45.6678, 0.3989, 0.5214



17.0242, 0.3023, 0.4185



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.



37.3291, 0.2974, 0.5906



66.8348, 0.2978, 0.5921



38.5668, 0.2611, 0.4601



10.6686, 0.3099, 0.3497



24.5377, 0.2970, 0.5892



0.9676, 0.2879, 0.5565

Inverse Universe

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



13.8712, 0.3554, 0.1731



24.8136, 0.3560, 0.1735



11.5631, 0.5450, 0.2776



9.6751, 0.3156, 0.3092



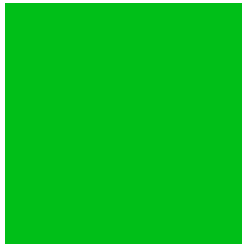
9.1224, 0.3549, 0.1729



0.3632, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 37.3276, 0.2974, 0.5906 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 37.3276, 0.2974, 0.5906 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 37.3276, 0.2974, 0.5906

Background



This preview shows how black text looks on a background with the Yxy color 37.3276, 0.2974, 0.5906.



This preview shows how white text looks on a background with the Yxy color 37.3276, 0.2974, 0.5906.

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

37.3276, 0.2974, 0.5906

Protanopia

36.7730, 0.4378, 0.4860

Deuteranopia

36.6271, 0.4572, 0.4476



Tritanopia

37.3520, 0.2363, 0.3070

Trichromacy



Original Color

37.3276, 0.2974, 0.5906



Protanomaly

34.0977, 0.3605, 0.5443



Deuteranomaly

32.8976, 0.3713, 0.5181



Tritanomaly

36.2095, 0.2608, 0.4216

Monochromacy



Original Color

37.3276, 0.2974, 0.5906



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

21.6706, 0.2987, 0.4593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3276, 0.2974, 0.5906 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(0, 191, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 24)  
}
```

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(0, 191, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 24) }
```

Border

The CSS property to change the border of an element to Yxy 37.3276, 0.2974, 0.5906 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(0, 191, 24) }
```

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

```
.border{ border-color:rgb(0, 191, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.3276, 0.2974, 0.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 24) }
```

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

```
.background{ background-color: rgb(0, 191,  
24) }
```

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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