

Converting Colors

$Y_{xy}(36.3332, 0.2973, 0.5902)$

Have a look what the booklet for
Yxy(36.3332, 0.2973, 0.5902)
contains.

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Color

Yxy(36.4611, 0.2973, 0.5904)

Conversions

Conversions Part 1

Format	Color
Hex	00BD18
RGB	0, 189, 24
RGB Percent	0%, 74%, 9%
CMY	1.0000, 0.2588, 0.9058
CMYK	1.00, 0.00, 0.87, 0.26
HSL	128°, 100%, 37%
HSV	128°, 100%, 74%
XYZ	18.3602, 36.4611, 6.9353
YIQ	113.6790, -59.6790, -91.3830

Conversions

Conversions Part 2

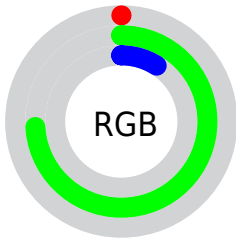
Format	Color
RYB	0, 168, 189
Decimal	48408
CIELab	66.87, -68.17, 63.01
CIELCh	67, 92.826, 137.252
Yxy	36.4611, 0.2973, 0.5904
Android (android.graphics.Color)	4278238488 (0xFF00BD18)
YUV	113.6790, -44.2117, -99.6965
Hunter-Lab	60.3830, -51.3951, 35.4584

Details

The Yxy color **36.4611, 0.2973, 0.5904** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.5355, 0.3559, 0.1734**, and the grayscale version is **16.8767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9190, 0.3082, 0.5356**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4643, 0.2973, 0.5904**, and if you desaturate by 10%, it is **36.6925, 0.2961, 0.5761**.

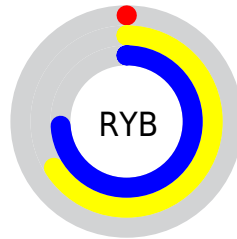
Distribution



Red (0%)

Green (74%)

Blue (9%)



Red (0%)

Yellow (66%)

Blue (74%)

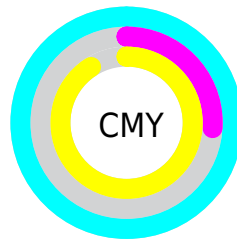


Cyan (100%)

Magenta (0%)

Yellow (87%)

Black (26%)



Cyan (100%)


Magenta (26%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4611, 0.2973, 0.5904 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 36.4611, 0.2973, 0.5904 by changing the saturation by 10% instead.


 36.4611, 0.2973,
0.5904


 36.4611, 0.2973,
0.5904


330.9715, 0.3172,
0.4451

 24.7905, 0.2867,
0.6285


 69.7432, 0.3084,
0.5354

 15.9211, 0.2695,
0.6764


 92.1235, 0.3113,
0.5152

 9.4683, 0.2458,
0.7511


 118.8424, 0.3134,
0.4984

 5.0479, 0.1928,
0.8072

 150.2845, 0.3148,
0.4843

 2.2754, 0.0466,
0.9534

 186.8340, 0.3157,
0.4723

 0.7606, 0.0000,
1.0000

 228.8754, 0.3164,

 0.0000, 0.0000,

0.4620

0.0000

276.7931, 0.3169,
0.4530

■ 36.4611, 0.2973,
0.5904

■ 36.4611, 0.2973,
0.5904

■ 36.4643, 0.2973,
0.5904

■ 36.6925, 0.2961,
0.5761

■ 37.1022, 0.2952,
0.5552

■ 37.7473, 0.2953,
0.5286

■ 38.6570, 0.2964,
0.4983

■ 39.8560, 0.2983,
0.4663

■ 41.3662, 0.3007,
0.4344

■ 43.2075, 0.3036,
0.4041

■ 45.3979, 0.3066,
0.3762

■ 47.9542, 0.3097,
0.3512

Harmonies

Analogous

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



36.4611, 0.4136, 0.5535



36.4611, 0.2973, 0.5904



36.4611, 0.1901, 0.4808

Triad

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



36.4611, 0.2973, 0.5904



36.4611, 0.1217, 0.1528



36.4611, 0.5402, 0.2923

Complementary

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



36.4611, 0.2973, 0.5904



13.5355, 0.3559, 0.1734

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.



36.4611, 0.4160, 0.2223



36.4611, 0.2973, 0.5904



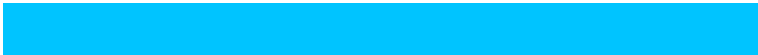
36.4611, 0.1741, 0.1466

Square

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



36.4611, 0.2973, 0.5904



36.4611, 0.1054, 0.1984



36.4611, 0.2738, 0.1706



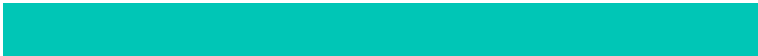
36.4611, 0.5725, 0.3700

Rectangle

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



36.4611, 0.2973, 0.5904



36.4611, 0.1404, 0.3613



36.4611, 0.2738, 0.1706



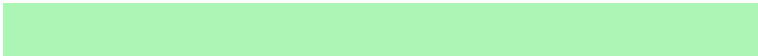
36.4611, 0.5066, 0.2678

Sweetspot

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



36.4643, 0.2973, 0.5904



77.2061, 0.3035, 0.4055



44.6089, 0.3989, 0.5215



16.2906, 0.3022, 0.4181



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.



36.4643, 0.2973, 0.5904



65.2835, 0.2977, 0.5919



37.6721, 0.2611, 0.4600



10.6689, 0.3099, 0.3496



24.5387, 0.2969, 0.5890



0.9677, 0.2878, 0.5559

Inverse Universe

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



13.5355, 0.3559, 0.1734



24.2150, 0.3565, 0.1738



11.2935, 0.5450, 0.2776



9.6748, 0.3156, 0.3092



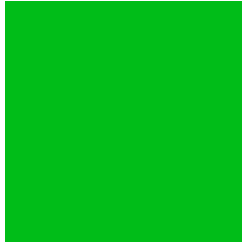
9.1142, 0.3554, 0.1731



0.3629, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 36.4611, 0.2973, 0.5904 looks on a white background.

Color Contrast Check

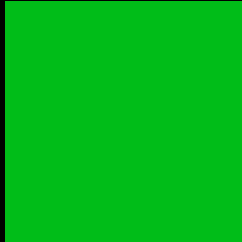
Large Text (above 18pt) WCAG AA × Fail

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 36.4611, 0.2973, 0.5904 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 36.4611, 0.2973, 0.5904

Background



This preview shows how black text looks on a background with the Yxy color 36.4611, 0.2973, 0.5904.



This preview shows how white text looks on a background with the Yxy color 36.4611, 0.2973, 0.5904.

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

36.4611, 0.2973, 0.5904

Protanopia

35.8175, 0.4379, 0.4858

Deuteranopia

35.6842, 0.4574, 0.4468



Tritanopia

36.4306, 0.2362, 0.3068

Trichromacy



Original Color

36.4611, 0.2973, 0.5904



Protanomaly

33.2617, 0.3608, 0.5439



Deuteranomaly

32.0860, 0.3716, 0.5172



Tritanomaly

35.3376, 0.2604, 0.4207

Monochromacy



Original Color

36.4611, 0.2973, 0.5904



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

21.0603, 0.2995, 0.4584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4611, 0.2973, 0.5904 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, 189, 24)` looks like.

```
.text, #text, p{  
  color:rgb(0, 189, 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, 189, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 24) }
```

Border

The CSS property to change the border of an element to Yxy 36.4611, 0.2973, 0.5904 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, 189, 24) }
```

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

```
.border{ border-color:rgb(0, 189, 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, 189, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.4611, 0.2973, 0.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 24) }
```

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

```
.background{ background-color: rgb(0, 189,  
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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