

Converting Colors

$Y_{xy}(37.5123, 0.2945, 0.5803)$

Have a look what the booklet for
Yxy(37.5123, 0.2945, 0.5803)
contains.

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Color

Yxy(37.4015, 0.2946, 0.5805)

Conversions

Conversions Part 1

Format	Color
Hex	00BF26
RGB	0, 191, 38
RGB Percent	0%, 75%, 15%
CMY	0.9995, 0.2510, 0.8512
CMYK	1.00, 0.00, 0.80, 0.25
HSL	132°, 100%, 37%
HSV	132°, 100%, 75%
XYZ	18.9810, 37.4015, 8.0473
YIQ	116.4490, -64.7230, -88.0750

Conversions

Conversions Part 2

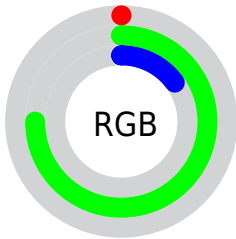
Format	Color
RYB	0, 159, 191
Decimal	48934
CIELab	67.58, -67.99, 60.17
CIELCh	68, 90.789, 138.493
Yxy	37.4015, 0.2946, 0.5805
Android (android.graphics.Color)	4278239014 (0xFF00BF26)
YUV	116.4490, -38.6754, -102.1258
Hunter-Lab	61.1568, -51.6239, 35.0081

Details

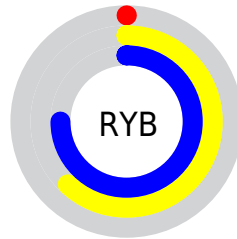
The Yxy color **37.4015, 0.2946, 0.5805** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.3856, 0.3785, 0.1859**, and the grayscale version is **17.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3052, 0.3050, 0.5274**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4015, 0.2946, 0.5806**, and if you desaturate by 10%, it is **37.6628, 0.2925, 0.5634**.

Distribution



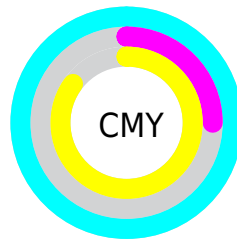
- Red (0%)
- Green (75%)
- Blue (15%)



- Red (0%)
- Yellow (62%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4015, 0.2946, 0.5805 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 37.4015, 0.2946, 0.5805 by changing the saturation by 10% instead.


 37.4015, 0.2946,
0.5805


 37.4015, 0.2946,
0.5805


335.0455, 0.3147,
0.4406

 25.5185, 0.2846,
0.6176


 71.1899, 0.3053,
0.5273

 16.4638, 0.2686,
0.6649


 93.8640, 0.3083,
0.5079

 9.8529, 0.2443,
0.7317


 120.9040, 0.3103,
0.4918

 5.3016, 0.1980,
0.8020

 152.6943, 0.3118,
0.4783

 2.4253, 0.0726,
0.9274

 189.6192, 0.3129,
0.4667

 0.8388, 0.0000,
1.0000

 232.0631, 0.3137,

 0.0000, 0.0000,

0.4568

0.0000

280.4104, 0.3143,
0.4482

■ 37.4015, 0.2946,
0.5805

■ 37.4015, 0.2946,
0.5805

■ 37.4015, 0.2946,
0.5806

■ 37.6628, 0.2925,
0.5634

■ 38.1054, 0.2911,
0.5409

■ 38.7836, 0.2909,
0.5142

■ 39.7258, 0.2920,
0.4850

■ 40.9563, 0.2942,
0.4549

■ 42.4967, 0.2972,
0.4255

■ 44.3663, 0.3008,
0.3976

■ 46.5829, 0.3047,
0.3721

■ 49.1631, 0.3087,
0.3492

Harmonies

Analogous

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



37.4015, 0.4087, 0.5521



37.4015, 0.2946, 0.5805



37.4015, 0.1902, 0.4687

Triad

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



37.4015, 0.2946, 0.5805



37.4015, 0.1268, 0.1557



37.4015, 0.5371, 0.2971

Complementary

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



37.4015, 0.2946, 0.5805



13.3856, 0.3785, 0.1859

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.



37.4015, 0.4192, 0.2275



37.4015, 0.2946, 0.5805



37.4015, 0.1804, 0.1507

Square

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



37.4015, 0.2946, 0.5805



37.4015, 0.1094, 0.1992



37.4015, 0.2802, 0.1755



37.4015, 0.5656, 0.3744

Rectangle

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



37.4015, 0.2946, 0.5805



37.4015, 0.1424, 0.3541



37.4015, 0.2802, 0.1755



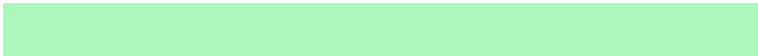
37.4015, 0.5056, 0.2728

Sweetspot

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



37.4030, 0.2946, 0.5805



79.2608, 0.3006, 0.3991



44.3317, 0.3872, 0.5307



17.0779, 0.2990, 0.4108



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.



37.4030, 0.2946, 0.5805



66.9576, 0.2952, 0.5826



38.8902, 0.2544, 0.4359



10.6797, 0.3090, 0.3479



24.5885, 0.2941, 0.5787



0.9725, 0.2818, 0.5343

Inverse Universe

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



13.3856, 0.3785, 0.1859



23.9310, 0.3796, 0.1865



11.4118, 0.5706, 0.2918



9.6630, 0.3167, 0.3108



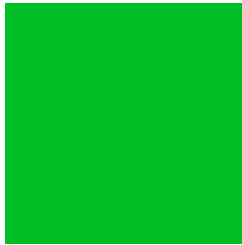
8.8058, 0.3776, 0.1854



0.3533, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 37.4015, 0.2946, 0.5805 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 37.4015, 0.2946, 0.5805 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

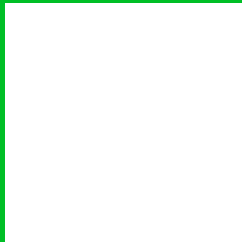
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4015, 0.2946, 0.5805

Background



This preview shows how black text looks on a background with the Yxy color 37.4015, 0.2946, 0.5805.



This preview shows how white text looks on a background with the Yxy color 37.4015, 0.2946, 0.5805.

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

37.4015, 0.2946, 0.5805

Protanopia

36.8402, 0.4336, 0.4798

Deuteranopia

36.5559, 0.4519, 0.4427



Tritanopia

37.3088, 0.2358, 0.3070

Trichromacy



Original Color

37.4015, 0.2946, 0.5805



Protanomaly

34.1695, 0.3565, 0.5352



Deuteranomaly

32.9728, 0.3670, 0.5092



Tritanomaly

36.3227, 0.2575, 0.4122

Monochromacy



Original Color

37.4015, 0.2946, 0.5805



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.8053, 0.2947, 0.4460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4015, 0.2946, 0.5805 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 38) }
```

Border

The CSS property to change the border of an element to Yxy 37.4015, 0.2946, 0.5805 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, 38) }
```

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

```
.border{ border-color:rgb(0, 191, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4015, 0.2946, 0.5805 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, 38) }
```

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

```
.background{ background-color: rgb(0, 191,  
38) }
```

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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