

Converting Colors

$Y_{xy}(37.5054, 0.2948, 0.5812)$

Have a look what the booklet for
Yxy(37.5054, 0.2948, 0.5812)
contains.

Yxy(37.3952, 0.2948, 0.5813)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3952, 0.2948, 0.5813)

Conversions

Conversions Part 1

Format	Color
Hex	00BF25
RGB	0, 191, 37
RGB Percent	0%, 75%, 15%
CMY	1.0000, 0.2510, 0.8548
CMYK	1.00, 0.00, 0.81, 0.25
HSL	132°, 100%, 37%
HSV	132°, 100%, 75%
XYZ	18.9646, 37.3952, 7.9705
YIQ	116.3350, -64.4020, -88.3860

Conversions

Conversions Part 2

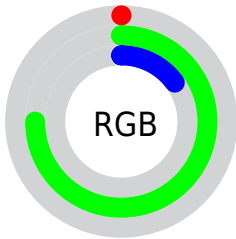
Format	Color
RYB	0, 160, 191
Decimal	48933
CIELab	67.57, -68.05, 60.43
CIELCh	68, 91.010, 138.398
Yxy	37.3952, 0.2948, 0.5813
Android (android.graphics.Color)	4278239013 (0xFF00BF25)
YUV	116.3350, -39.1122, -102.0258
Hunter-Lab	61.1516, -51.6582, 35.0783

Details

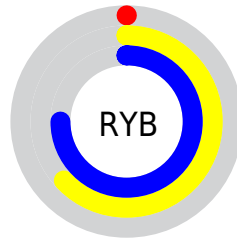
The Yxy color **37.3952, 0.2948, 0.5813** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.4091, 0.3771, 0.1851**, and the grayscale version is **17.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3443, 0.3058, 0.5282**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.3970, 0.2948, 0.5813**, and if you desaturate by 10%, it is **37.6545, 0.2927, 0.5643**.

Distribution



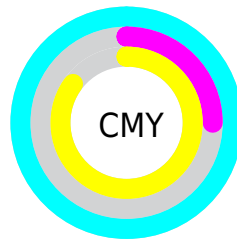
- Red (0%)
- Green (75%)
- Blue (15%)



- Red (0%)
- Yellow (63%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3952, 0.2948, 0.5813 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 37.3952, 0.2948, 0.5813 by changing the saturation by 10% instead.


 37.3952, 0.2948,
0.5813


 37.3952, 0.2948,
0.5813


335.0184, 0.3149,
0.4410


 25.5136, 0.2848,
0.6185


 71.1802, 0.3055,
0.5280


 16.4601, 0.2687,
0.6658


 93.8524, 0.3085,
0.5085


 9.8503, 0.2444,
0.7329


 120.8903, 0.3105,
0.4924

 5.2998, 0.1977,
0.8023

 152.6782, 0.3120,
0.4788

 2.4242, 0.0719,
0.9281

 189.6006, 0.3131,
0.4672

 0.8383, 0.0000,
1.0000


 232.0418, 0.3139,


 0.0000, 0.0000,


0.4573

0.0000

280.3863, 0.3144,
0.4486

 37.3952, 0.2948,
0.5813


 37.3952, 0.2948,
0.5813


 37.3970, 0.2948,
0.5813

 37.6545, 0.2927,
0.5643

 38.0944, 0.2913,
0.5420

 38.7700, 0.2912,
0.5153

 39.7099, 0.2923,
0.4860

 40.9384, 0.2944,
0.4558

■ 42.4772, 0.2974,
0.4262

■ 44.3458, 0.3009,
0.3982

■ 46.5618, 0.3048,
0.3725

■ 49.1421, 0.3088,
0.3494

Harmonies

Analogous

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



37.3952, 0.4091, 0.5522



37.3952, 0.2948, 0.5813



37.3952, 0.1902, 0.4696

Triad

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



37.3952, 0.2948, 0.5813



37.3952, 0.1264, 0.1555



37.3952, 0.5374, 0.2967

Complementary

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



37.3952, 0.2948, 0.5813



13.4091, 0.3771, 0.1851

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.



37.3952, 0.4190, 0.2271



37.3952, 0.2948, 0.5813



37.3952, 0.1799, 0.1504

Square

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



37.3952, 0.2948, 0.5813



37.3952, 0.1091, 0.1991



37.3952, 0.2797, 0.1751



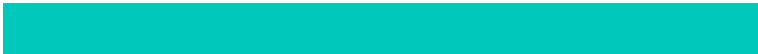
37.3952, 0.5661, 0.3740

Rectangle

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



37.3952, 0.2948, 0.5813



37.3952, 0.1422, 0.3546



37.3952, 0.2797, 0.1751



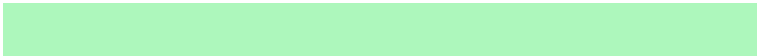
37.3952, 0.5057, 0.2724

Sweetspot

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



37.3970, 0.2948, 0.5813



79.2472, 0.3007, 0.3995



44.3299, 0.3872, 0.5308



17.0747, 0.2992, 0.4112



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.



37.3970, 0.2948, 0.5813



66.9488, 0.2954, 0.5833



38.8890, 0.2544, 0.4360



10.6791, 0.3090, 0.3480



24.5849, 0.2943, 0.5794



0.9722, 0.2821, 0.5356

Inverse Universe

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



13.4091, 0.3771, 0.1851



23.9799, 0.3781, 0.1857



11.4083, 0.5708, 0.2918



9.6637, 0.3166, 0.3107



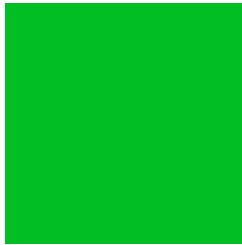
8.8233, 0.3762, 0.1846



0.3539, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 37.3952, 0.2948, 0.5813 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 37.3952, 0.2948, 0.5813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

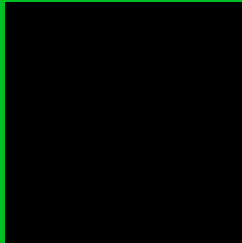
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3952, 0.2948, 0.5813

Background



This preview shows how black text looks on a background with the Yxy color 37.3952, 0.2948, 0.5813.



This preview shows how white text looks on a background with the Yxy color 37.3952, 0.2948, 0.5813.

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

37.3952, 0.2948, 0.5813

Protanopia

36.8350, 0.4339, 0.4803

Deuteranopia

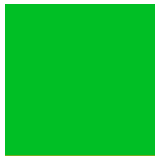
36.5464, 0.4525, 0.4434



Tritanopia

37.3088, 0.2358, 0.3070

Trichromacy



Original Color

37.3952, 0.2948, 0.5813



Protanomaly

34.1638, 0.3568, 0.5359



Deuteranomaly

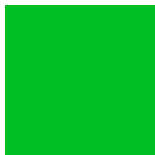
32.9645, 0.3674, 0.5102



Tritanomaly

36.3227, 0.2575, 0.4122

Monochromacy



Original Color

37.3952, 0.2948, 0.5813



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.7889, 0.2955, 0.4481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3952, 0.2948, 0.5813 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 37) }
```

Border

The CSS property to change the border of an element to Yxy 37.3952, 0.2948, 0.5813 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, 37) }
```

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

```
.border{ border-color:rgb(0, 191, 37) }
```

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, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 37)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.3952, 0.2948, 0.5813 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, 37) }
```

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

```
.background{ background-color: rgb(0, 191,  
37) }
```

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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