

Converting Colors

$Y_{xy}(36.9415, 0.3111, 0.5912)$

Have a look what the booklet for
Yxy(36.9415, 0.3111, 0.5912)
contains.

Yxy(37.0733, 0.3111, 0.5912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.0733, 0.3111, 0.5912)

Conversions

Conversions Part 1

Format	Color
Hex	32BD00
RGB	50, 189, 0
RGB Percent	20%, 74%, 0%
CMY	0.8044, 0.2588, 1.0000
CMYK	0.74, 0.00, 1.00, 0.26
HSL	104°, 100%, 37%
HSV	104°, 100%, 74%
XYZ	19.5086, 37.0733, 6.1266
YIQ	125.8930, -22.1750, -88.2470

Conversions

Conversions Part 2

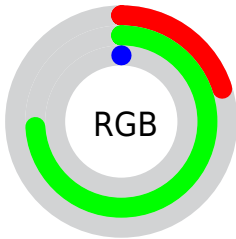
Format	Color
RYB	0, 189, 139
Decimal	3325184
CIELab	67.33, -64.25, 67.04
CIELCh	67, 92.855, 133.784
Yxy	37.0733, 0.3111, 0.5912
Android (android.graphics.Color)	4281515264 (0xFF32BD00)
YUV	125.8930, -62.0652, -66.5582
Hunter-Lab	60.8878, -49.3618, 36.6556

Details

The Yxy color **37.0733, 0.3111, 0.5912** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **9.1744, 0.2549, 0.1178**, and the grayscale version is **21.0363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3835, 0.3204, 0.5377**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.0749, 0.3111, 0.5912**, and if you desaturate by 10%, it is **37.5296, 0.3154, 0.5798**.

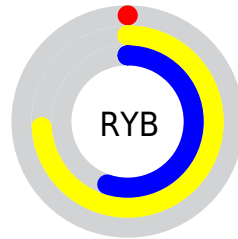
Distribution



Red (20%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (55%)

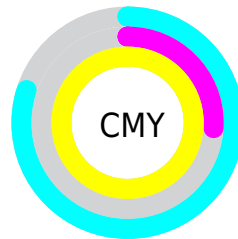


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (80%)


Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0733, 0.3111, 0.5912 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 37.0733, 0.3111, 0.5912 by changing the saturation by 10% instead.


 37.0733, 0.3111,
0.5912


 37.0733, 0.3111,
0.5912


333.6278, 0.3249,
0.4476


 25.2642, 0.3016,
0.6275


 70.6855, 0.3203,
0.5377


 16.2740, 0.2856,
0.6722


 93.2575, 0.3224,
0.5178

 9.7183, 0.2623,
0.7377


 120.1858, 0.3237,
0.5012

 5.2126, 0.2116,
0.7884

 151.8550, 0.3244,
0.4871

 2.3725, 0.0971,
0.9029

 188.6494, 0.3248,
0.4750

 0.8117, 0.0000,
1.0000

 230.9534, 0.3250,

 0.0000, 0.0000,

0.4646

0.0000

279.1514, 0.3250,
0.4556

■ 37.0733, 0.3111,
0.5912

■ 37.0733, 0.3111,
0.5912

■ 37.0749, 0.3111,
0.5912

■ 37.5296, 0.3154,
0.5798

■ 38.1458, 0.3193,
0.5622

■ 38.9481, 0.3220,
0.5381

■ 39.9518, 0.3234,
0.5091

■ 41.1706, 0.3236,
0.4772

■ 42.6170, 0.3226,
0.4444

■ 44.3024, 0.3208,
0.4123

■ 46.2372, 0.3184,
0.3820

■ 48.4314, 0.3157,
0.3541

Harmonies

Analogous

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



37.0733, 0.4265, 0.5430



37.0733, 0.3111, 0.5912



37.0733, 0.2016, 0.4992

Triad

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



37.0733, 0.3111, 0.5912



37.0733, 0.1187, 0.1564



37.0733, 0.5287, 0.2841

Complementary

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



37.0733, 0.3111, 0.5912



9.1744, 0.2549, 0.1178

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.



37.0733, 0.3984, 0.2155



37.0733, 0.3111, 0.5912



37.0733, 0.1664, 0.1464

Square

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



37.0733, 0.3111, 0.5912



37.0733, 0.1063, 0.2078



37.0733, 0.2599, 0.1669



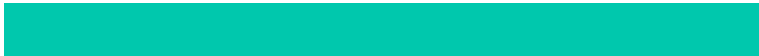
37.0733, 0.5729, 0.3607

Rectangle

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



37.0733, 0.3111, 0.5912



37.0733, 0.1481, 0.3813



37.0733, 0.2599, 0.1669



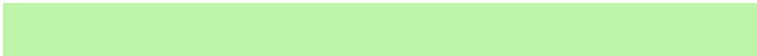
37.0733, 0.4918, 0.2599

Sweetspot

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



37.0749, 0.3111, 0.5912



79.1809, 0.3209, 0.4138



29.1720, 0.4760, 0.4603



16.7443, 0.3217, 0.4272



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.



37.0749, 0.3111, 0.5912



66.2944, 0.3102, 0.5919



36.5823, 0.2928, 0.5742



10.7681, 0.3155, 0.3524



24.9743, 0.3119, 0.5906



1.0113, 0.3306, 0.5757

Inverse Universe

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



9.1744, 0.2549, 0.1178



16.3066, 0.2538, 0.1172



12.8617, 0.3905, 0.1925



9.5662, 0.3097, 0.3061



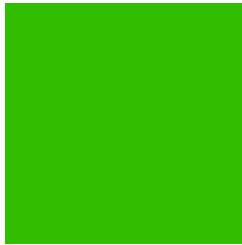
6.2107, 0.2557, 0.1182



0.2734, 0.2721, 0.1272

Previews

White Background



This preview shows how the Yxy color 37.0733, 0.3111, 0.5912 looks on a white background.

Color Contrast Check

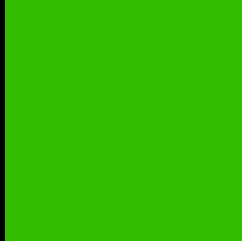
Large Text (above 18pt) WCAG AA × Fail

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 37.0733, 0.3111, 0.5912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

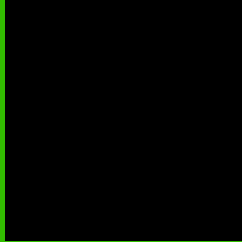
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0733, 0.3111, 0.5912

Background



This preview shows how black text looks on a background with the Yxy color 37.0733, 0.3111, 0.5912.



This preview shows how white text looks on a background with the Yxy color 37.0733, 0.3111, 0.5912.

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

37.0733, 0.3111, 0.5912

Protanopia

36.2617, 0.4399, 0.4889

Deuteranopia

36.1018, 0.4606, 0.4514



Tritanopia

36.9925, 0.2419, 0.3071

Trichromacy



Original Color

37.0733, 0.3111, 0.5912



Protanomaly

34.6559, 0.3819, 0.5349



Deuteranomaly

34.0035, 0.3952, 0.5128



Tritanomaly

35.9647, 0.2774, 0.4347

Monochromacy



Original Color

37.0733, 0.3111, 0.5912



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.6707, 0.3230, 0.4625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0733, 0.3111, 0.5912 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(50, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 189, 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(50, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.0733, 0.3111, 0.5912 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(50, 189, 0) }
```

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

```
.border{ border-color:rgb(50, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 189, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.0733, 0.3111, 0.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 189, 0) }
```

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

```
.background{ background-color: rgb(50, 189,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor