

Converting Colors

$Y_{xy}(37.4812, 0.3036, 0.5971)$

Have a look what the booklet for
Yxy(37.4812, 0.3036, 0.5971)
contains.

Yxy(37.4812, 0.3036, 0.5971)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4812, 0.3036, 0.5971)

Conversions

Conversions Part 1

Format	Color
Hex	1ABF00
RGB	26, 191, 0
RGB Percent	10%, 75%, 0%
CMY	0.8980, 0.2510, 0.9995
CMYK	0.86, 0.00, 1.00, 0.25
HSL	112°, 100%, 37%
HSV	112°, 100%, 75%
XYZ	19.0576, 37.4812, 6.2333
YIQ	119.8910, -37.0290, -94.3810

Conversions

Conversions Part 2

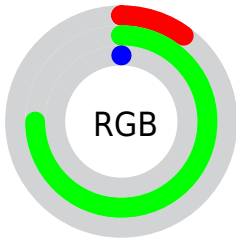
Format	Color
RYB	0, 191, 165
Decimal	1752832
CIELab	67.64, -67.85, 67.12
CIELCh	68, 95.442, 135.311
Yxy	37.4812, 0.3036, 0.5971
Android (android.graphics.Color)	4279942912 (0xFF1ABF00)
YUV	119.8910, -59.1063, -82.3424
Hunter-Lab	61.2219, -51.5735, 36.8188

Details

The Yxy color **37.4812, 0.3036, 0.5971** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **11.7760, 0.2868, 0.1354**, and the grayscale version is **18.9543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5040, 0.3142, 0.5417**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4810, 0.3036, 0.5972**, and if you desaturate by 10%, it is **37.8139, 0.3062, 0.5869**.

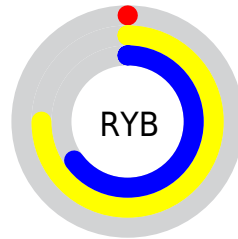
Distribution



Red (10%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (65%)

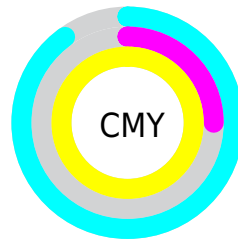


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (90%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4812, 0.3036, 0.5971 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 37.4812, 0.3036, 0.5971 by changing the saturation by 10% instead.


 37.4812, 0.3036,
0.5971

 37.4812, 0.3036,
0.5971


335.3892, 0.3215,
0.4498


 25.5803, 0.2931,
0.6345


 71.3123, 0.3143,
0.5421


 16.5099, 0.2759,
0.6808


 94.0112, 0.3170,
0.5216

 9.8857, 0.2510,
0.7490


 121.0782, 0.3187,
0.5046

 5.3232, 0.1989,
0.8011

 152.8978, 0.3199,
0.4902

 2.4381, 0.0756,
0.9244

 189.8543, 0.3206,
0.4778

 0.8454, 0.0000,
1.0000

 232.3321, 0.3211,

 0.0000, 0.0000,

0.4672

0.0000

280.7156, 0.3213,
0.4580

■ 37.4812, 0.3036,
0.5971

■ 37.4812, 0.3036,
0.5971

■ 37.4810, 0.3036,
0.5972

■ 37.8139, 0.3062,
0.5869

■ 38.3356, 0.3090,
0.5697

■ 39.0803, 0.3114,
0.5451

■ 40.0700, 0.3132,
0.5149

■ 41.3241, 0.3143,
0.4814

■ 42.8599, 0.3148,
0.4471

■ 44.6933, 0.3148,
0.4137

■ 46.8389, 0.3144,
0.3825

■ 49.3106, 0.3136,
0.3541

Harmonies

Analogous

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



37.4812, 0.4211, 0.5506



37.4812, 0.3036, 0.5971



37.4812, 0.1938, 0.4954

Triad

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



37.4812, 0.3036, 0.5971



37.4812, 0.1173, 0.1521



37.4812, 0.5384, 0.2864

Complementary

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



37.4812, 0.3036, 0.5971



11.7760, 0.2868, 0.1354

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.



37.4812, 0.4079, 0.2166



37.4812, 0.3036, 0.5971



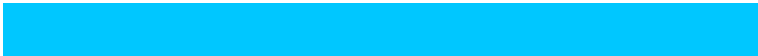
37.4812, 0.1674, 0.1438

Square

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



37.4812, 0.3036, 0.5971



37.4812, 0.1030, 0.2010



37.4812, 0.2648, 0.1661



37.4812, 0.5773, 0.3639

Rectangle

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



37.4812, 0.3036, 0.5971



37.4812, 0.1416, 0.3730



37.4812, 0.2648, 0.1661



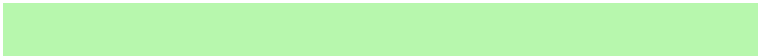
37.4812, 0.5022, 0.2619

Sweetspot

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



37.4828, 0.3036, 0.5971



79.8515, 0.3148, 0.4155



37.0486, 0.4485, 0.4820



17.2150, 0.3149, 0.4296



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.



37.4828, 0.3036, 0.5971



67.0683, 0.3031, 0.5976



37.6679, 0.2853, 0.5471



10.7100, 0.3136, 0.3526



24.6522, 0.3041, 0.5967



0.9860, 0.3164, 0.5870

Inverse Universe

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



11.7760, 0.2868, 0.1354



21.0033, 0.2863, 0.1351



12.5397, 0.4341, 0.2165



9.6289, 0.3117, 0.3062



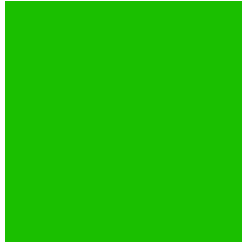
7.7615, 0.2873, 0.1356



0.3224, 0.2958, 0.1403

Previews

White Background



This preview shows how the Yxy color 37.4812, 0.3036, 0.5971 looks on a white background.

Color Contrast Check

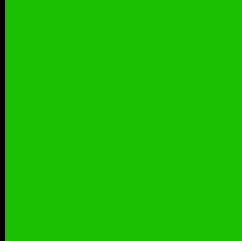
Large Text (above 18pt) WCAG AA × Fail

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 37.4812, 0.3036, 0.5971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

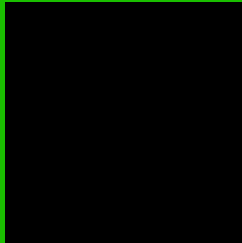
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4812, 0.3036, 0.5971

Background



This preview shows how black text looks on a background with the Yxy color 37.4812, 0.3036, 0.5971.



This preview shows how white text looks on a background with the Yxy color 37.4812, 0.3036, 0.5971.

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

37.4812, 0.3036, 0.5971

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

36.5819, 0.4601, 0.4512



Tritanopia

37.4856, 0.2376, 0.3071

Trichromacy



Original Color

37.4812, 0.3036, 0.5971



Protanomaly

34.7841, 0.3725, 0.5424



Deuteranomaly

33.6553, 0.3858, 0.5193



Tritanomaly

36.2962, 0.2704, 0.4375

Monochromacy



Original Color

37.4812, 0.3036, 0.5971



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

23.0580, 0.3150, 0.4710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4812, 0.3036, 0.5971 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(26, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(26, 191, 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(26, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.4812, 0.3036, 0.5971 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(26, 191, 0) }
```

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

```
.border{ border-color:rgb(26, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(26, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(26, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4812, 0.3036, 0.5971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 191, 0) }
```

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

```
.background{ background-color: rgb(26, 191,  
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](#).

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