

Converting Colors

$Y_{xy}(37.8639, 0.2825, 0.5371)$

Have a look what the booklet for
Yxy(37.8639, 0.2825, 0.5371)
contains.

Yxy(37.7560, 0.2824, 0.5367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(37.7560, 0.2824, 0.5367)$

Conversions

Conversions Part 1

Format	Color
Hex	00BF4A
RGB	0, 191, 74
RGB Percent	0%, 75%, 29%
CMY	1.0000, 0.2510, 0.7096
CMYK	1.00, 0.00, 0.61, 0.25
HSL	143°, 100%, 37%
HSV	143°, 100%, 75%
XYZ	19.8664, 37.7560, 12.7260
YIQ	120.5530, -76.2790, -76.8790

Conversions

Conversions Part 2

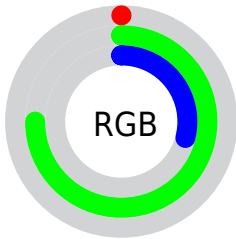
Format	Color
RYB	0, 138, 191
Decimal	48970
CIELab	67.84, -64.65, 46.77
CIELCh	68, 79.792, 144.118
Yxy	37.7560, 0.2824, 0.5367
Android (android.graphics.Color)	4278239050 (0xFF00BF4A)
YUV	120.5530, -22.9506, -105.7250
Hunter-Lab	61.4459, -49.8186, 30.7326

Details

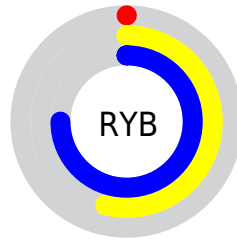
The Yxy color **37.7560, 0.2824, 0.5367** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **12.3604, 0.4494, 0.2249**, and the grayscale version is **19.0649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9104, 0.2929, 0.4923**, and **17.6553, 0.2961, 0.5860** is the 20% darker color. If you saturate the color by 10%, you get **37.7585, 0.2824, 0.5367**, and if you desaturate by 10%, it is **38.0707, 0.2793, 0.5169**.

Distribution



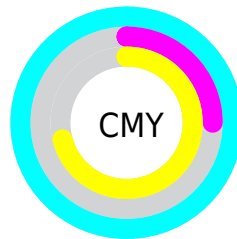
- Red (0%)
- Green (75%)
- Blue (29%)



- Red (0%)
- Yellow (54%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7560, 0.2824, 0.5367 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 37.7560, 0.2824, 0.5367 by changing the saturation by 10% instead.


 37.7560, 0.2824,
0.5367


 37.7560, 0.2824,
0.5367


336.5721, 0.3047,
0.4202

 25.7934, 0.2738,
0.5693


 71.7340, 0.2926,
0.4916


 16.6691, 0.2607,
0.6125


 94.5182, 0.2958,
0.4754

 9.9989, 0.2395,
0.6712


 121.6783, 0.2982,
0.4621

 5.3982, 0.2103,
0.7772

 153.5987, 0.3001,
0.4510

 2.4827, 0.1075,
0.8925

 190.6640, 0.3016,
0.4415

 0.8680, 0.0000,
1.0000

233.2583, 0.3028,

 0.0000, 0.0000,

0.4334

0.0000

281.7663, 0.3039,
0.4264

■ 37.7560, 0.2824,
0.5367

■ 37.7560, 0.2824,
0.5367

■ 37.7585, 0.2824,
0.5367

■ 38.0707, 0.2793,
0.5169

■ 38.5507, 0.2775,
0.4950

■ 39.2492, 0.2776,
0.4717

■ 40.1928, 0.2795,
0.4478

■ 41.4037, 0.2829,
0.4244

■ 42.9019, 0.2876,
0.4019

■ 44.7050, 0.2932,
0.3810

■ 46.8295, 0.2995,
0.3618

■ 49.2905, 0.3060,
0.3444

Harmonies

Analogous

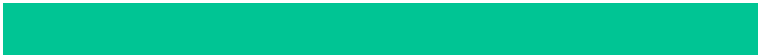
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7560, 0.3871, 0.5409



37.7560, 0.2824, 0.5367



37.7560, 0.1909, 0.4227

Triad

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



37.7560, 0.2824, 0.5367



37.7560, 0.1495, 0.1685



37.7560, 0.5227, 0.3170

Complementary

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



37.7560, 0.2824, 0.5367



12.3604, 0.4494, 0.2249

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.



37.7560, 0.4302, 0.2495



37.7560, 0.2824, 0.5367



37.7560, 0.2075, 0.1685

Square

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



37.7560, 0.2824, 0.5367



37.7560, 0.1273, 0.2029



37.7560, 0.3064, 0.1968



37.7560, 0.5363, 0.3917

Rectangle

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



37.7560, 0.2824, 0.5367



37.7560, 0.1512, 0.3277



37.7560, 0.3064, 0.1968



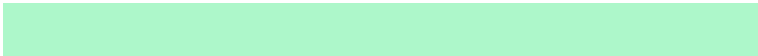
37.7560, 0.4993, 0.2935

Sweetspot

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



37.7585, 0.2824, 0.5367



79.8966, 0.2930, 0.3819



41.1001, 0.3536, 0.5574



17.2293, 0.2905, 0.3907



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.



37.7585, 0.2824, 0.5367



67.5782, 0.2832, 0.5395



40.1176, 0.2350, 0.3658



10.7092, 0.3065, 0.3434



24.8279, 0.2817, 0.5342



0.9854, 0.2678, 0.4841

Inverse Universe

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



12.3604, 0.4494, 0.2249



22.0874, 0.4519, 0.2263



11.1360, 0.6261, 0.3223



9.6319, 0.3195, 0.3150



8.1388, 0.4471, 0.2237



0.3313, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 37.7560, 0.2824, 0.5367 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 37.7560, 0.2824, 0.5367 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 37.7560, 0.2824, 0.5367

Background



This preview shows how black text looks on a background with the Yxy color 37.7560, 0.2824, 0.5367.



This preview shows how white text looks on a background with the Yxy color 37.7560, 0.2824, 0.5367.

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

37.7560, 0.2824, 0.5367

Protanopia

37.0115, 0.4155, 0.4552

Deuteranopia

36.8345, 0.4274, 0.4189



Tritanopia

37.6717, 0.2339, 0.3055

Trichromacy



Original Color

37.7560, 0.2824, 0.5367



Protanomaly

34.4148, 0.3400, 0.4997



Deuteranomaly

33.5443, 0.3463, 0.4734



Tritanomaly

36.6974, 0.2489, 0.3861

Monochromacy



Original Color

37.7560, 0.2824, 0.5367



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.1350, 0.2843, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7560, 0.2824, 0.5367 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 74) }
```

Border

The CSS property to change the border of an element to Yxy 37.7560, 0.2824, 0.5367 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, 74) }
```

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

```
.border{ border-color:rgb(0, 191, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.7560, 0.2824, 0.5367 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, 74) }
```

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

```
.background{ background-color: rgb(0, 191,  
74) }
```

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