

Converting Colors

$Y_{xy}(37.6057, 0.2911, 0.5681)$

Have a look what the booklet for
Yxy(37.6057, 0.2911, 0.5681)
contains.

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Color

Yxy(37.5006, 0.2910, 0.5675)

Conversions

Conversions Part 1

Format	Color
Hex	00BF33
RGB	0, 191, 51
RGB Percent	0%, 75%, 20%
CMY	0.9991, 0.2510, 0.8002
CMYK	1.00, 0.00, 0.73, 0.25
HSL	136°, 100%, 37%
HSV	136°, 100%, 75%
XYZ	19.2294, 37.5006, 9.3504
YIQ	117.9310, -68.8960, -84.0320

Conversions

Conversions Part 2

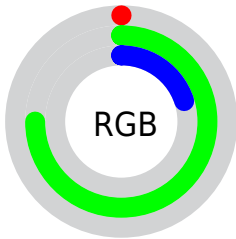
Format	Color
RYB	0, 151, 191
Decimal	48947
CIELab	67.65, -67.04, 55.99
CIELCh	68, 87.344, 140.133
Yxy	37.5006, 0.2910, 0.5675
Android (android.graphics.Color)	4278239027 (0xFF00BF33)
YUV	117.9310, -32.9970, -103.4255
Hunter-Lab	61.2377, -51.1149, 33.8134

Details

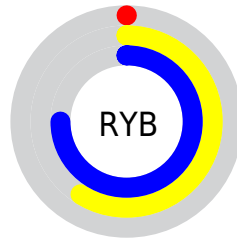
The Yxy color **37.5006, 0.2910, 0.5675** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.9829, 0.4021, 0.1989**, and the grayscale version is **18.2357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5013, 0.3014, 0.5164**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4993, 0.2910, 0.5677**, and if you desaturate by 10%, it is **37.7852, 0.2883, 0.5485**.

Distribution



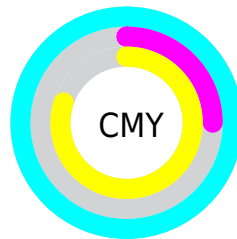
- Red (0%)
- Green (75%)
- Blue (20%)



- Red (0%)
- Yellow (59%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (25%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5006, 0.2910, 0.5675 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 37.5006, 0.2910, 0.5675 by changing the saturation by 10% instead.


 37.5006, 0.2910,
0.5675


 37.5006, 0.2910,
0.5675


335.4728, 0.3115,
0.4343


 25.5953, 0.2816,
0.6036


 71.3420, 0.3014,
0.5165

 16.5211, 0.2666,
0.6502


 94.0470, 0.3044,
0.4980


 9.8937, 0.2425,
0.7125


 121.1206, 0.3065,
0.4827

 5.3285, 0.2022,
0.7978

 152.9473, 0.3081,
0.4699

 2.4413, 0.0829,
0.9171

 189.9115, 0.3093,
0.4590

 0.8470, 0.0000,
1.0000

 232.3975, 0.3103,

 0.0000, 0.0000,

0.4496

0.0000

280.7898, 0.3110,
0.4415

■ 37.5006, 0.2910,
0.5675

■ 37.5006, 0.2910,
0.5675

■ 37.4993, 0.2910,
0.5677

■ 37.7852, 0.2883,
0.5485

■ 38.2467, 0.2866,
0.5255

■ 38.9380, 0.2864,
0.4995

■ 39.8865, 0.2876,
0.4718

■ 41.1158, 0.2902,
0.4439

■ 42.6464, 0.2938,
0.4169

■ 44.4972, 0.2981,
0.3915

■ 46.6853, 0.3029,
0.3683

■ 49.2267, 0.3078,
0.3474

Harmonies

Analogous

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



37.5006, 0.4023, 0.5496



37.5006, 0.2910, 0.5675



37.5006, 0.1904, 0.4539

Triad

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



37.5006, 0.2910, 0.5675



37.5006, 0.1335, 0.1595



37.5006, 0.5330, 0.3032

Complementary

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



37.5006, 0.2910, 0.5675



12.9829, 0.4021, 0.1989

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.



37.5006, 0.4230, 0.2342



37.5006, 0.2910, 0.5675



37.5006, 0.1885, 0.1560

Square

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



37.5006, 0.2910, 0.5675



37.5006, 0.1147, 0.2002



37.5006, 0.2883, 0.1819



37.5006, 0.5567, 0.3799

Rectangle

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



37.5006, 0.2910, 0.5675



37.5006, 0.1450, 0.3454



37.5006, 0.2883, 0.1819



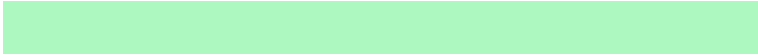
37.5006, 0.5040, 0.2792

Sweetspot

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



37.5021, 0.2910, 0.5675



79.4813, 0.2978, 0.3929



43.1296, 0.3757, 0.5398



17.1301, 0.2959, 0.4036



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.



37.5021, 0.2910, 0.5675



67.1264, 0.2917, 0.5701



39.2560, 0.2478, 0.4119



10.6902, 0.3081, 0.3463



24.6553, 0.2904, 0.5654



0.9770, 0.2765, 0.5154

Inverse Universe

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



12.9829, 0.4021, 0.1989



23.1979, 0.4038, 0.1998



11.2940, 0.5932, 0.3042



9.6518, 0.3177, 0.3123



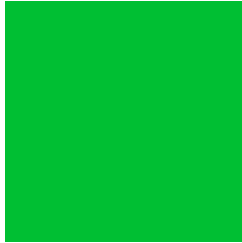
8.5416, 0.4009, 0.1982



0.3449, 0.3777, 0.1855

Previews

White Background



This preview shows how the Yxy color 37.5006, 0.2910, 0.5675 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 37.5006, 0.2910, 0.5675 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 37.5006, 0.2910, 0.5675

Background



This preview shows how black text looks on a background with the Yxy color 37.5006, 0.2910, 0.5675.



This preview shows how white text looks on a background with the Yxy color 37.5006, 0.2910, 0.5675.

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

37.5006, 0.2910, 0.5675

Protanopia

36.9231, 0.4285, 0.4724

Deuteranopia

36.5209, 0.4446, 0.4352



Tritanopia

37.3107, 0.2349, 0.3055

Trichromacy



Original Color

37.5006, 0.2910, 0.5675



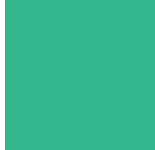
Protanomaly

34.2592, 0.3518, 0.5244



Deuteranomaly

32.9986, 0.3603, 0.4980



Tritanomaly

36.4682, 0.2546, 0.4027

Monochromacy



Original Color

37.5006, 0.2910, 0.5675



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.5548, 0.2908, 0.4358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5006, 0.2910, 0.5675 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 51) }
```

Border

The CSS property to change the border of an element to Yxy 37.5006, 0.2910, 0.5675 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, 51) }
```

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

```
.border{ border-color:rgb(0, 191, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.5006, 0.2910, 0.5675 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, 51) }
```

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

```
.background{ background-color: rgb(0, 191,  
51) }
```

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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