

Converting Colors

$Y_{xy}(37.8880, 0.2818, 0.5344)$

Have a look what the booklet for
Yxy(37.8880, 0.2818, 0.5344)
contains.

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Color

Yxy(37.7834, 0.2816, 0.5337)

Conversions

Conversions Part 1

Format	Color
Hex	00BF4C
RGB	0, 191, 76
RGB Percent	0%, 75%, 30%
CMY	0.9995, 0.2510, 0.7020
CMYK	1.00, 0.00, 0.60, 0.25
HSL	144°, 100%, 37%
HSV	144°, 100%, 75%
XYZ	19.9359, 37.7834, 13.0759
YIQ	120.7810, -76.9210, -76.2570

Conversions

Conversions Part 2

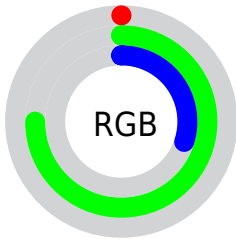
Format	Color
RYB	0, 137, 191
Decimal	48972
CIELab	67.86, -64.39, 45.91
CIELCh	68, 79.084, 144.509
Yxy	37.7834, 0.2816, 0.5337
Android (android.graphics.Color)	4278239052 (0xFF00BF4C)
YUV	120.7810, -22.0770, -105.9249
Hunter-Lab	61.4682, -49.6766, 30.4152

Details

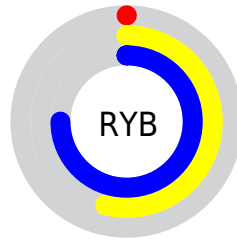
The Yxy color **37.7834, 0.2816, 0.5337** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **12.3209, 0.4532, 0.2271**, and the grayscale version is **19.1507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9625, 0.2921, 0.4898**, and **17.6662, 0.2952, 0.5828** is the 20% darker color. If you saturate the color by 10%, you get **37.7829, 0.2816, 0.5338**, and if you desaturate by 10%, it is **38.0995, 0.2785, 0.5139**.

Distribution



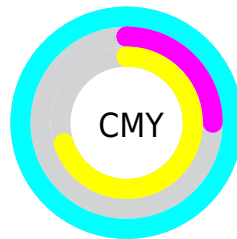
- Red (0%)
- Green (75%)
- Blue (30%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7834, 0.2816, 0.5337 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 37.7834, 0.2816, 0.5337 by changing the saturation by 10% instead.


 37.7834, 0.2816,
0.5337


 37.7834, 0.2816,
0.5337


336.6899, 0.3041,
0.4189


 25.8146, 0.2730,
0.5659


 71.7760, 0.2918,
0.4892


 16.6850, 0.2601,
0.6086


 94.5687, 0.2950,
0.4733


 10.0102, 0.2392,
0.6669


 121.7380, 0.2974,
0.4602

 5.4057, 0.2096,
0.7693

 153.6686, 0.2994,
0.4492

 2.4872, 0.1100,
0.8900

 190.7446, 0.3009,
0.4399

 0.8702, 0.0000,
1.0000

233.3506, 0.3022,

 0.0000, 0.0000,

0.4319

0.0000

281.8709, 0.3032,
0.4250

■ 37.7834, 0.2816,
0.5337

■ 37.7834, 0.2816,
0.5337

■ 37.7829, 0.2816,
0.5338

■ 38.0995, 0.2785,
0.5139

■ 38.5819, 0.2768,
0.4922

■ 39.2822, 0.2769,
0.4692

■ 40.2268, 0.2789,
0.4457

■ 41.4378, 0.2824,
0.4226

■ 42.9352, 0.2872,
0.4006

■ 44.7365, 0.2929,
0.3800

■ 46.8582, 0.2992,
0.3611

■ 49.3153, 0.3059,
0.3441

Harmonies

Analogous

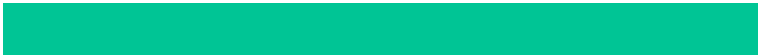
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7834, 0.3857, 0.5398



37.7834, 0.2816, 0.5337



37.7834, 0.1910, 0.4199

Triad

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



37.7834, 0.2816, 0.5337



37.7834, 0.1511, 0.1694



37.7834, 0.5216, 0.3183

Complementary

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



37.7834, 0.2816, 0.5337



12.3209, 0.4532, 0.2271

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.



37.7834, 0.4307, 0.2509



37.7834, 0.2816, 0.5337



37.7834, 0.2094, 0.1697

Square

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



37.7834, 0.2816, 0.5337



37.7834, 0.1285, 0.2033



37.7834, 0.3081, 0.1982



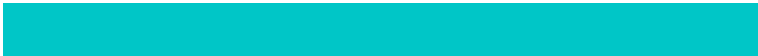
37.7834, 0.5343, 0.3927

Rectangle

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



37.7834, 0.2816, 0.5337



37.7834, 0.1518, 0.3262



37.7834, 0.3081, 0.1982



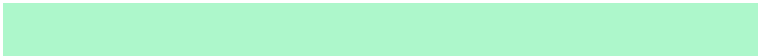
37.7834, 0.4988, 0.2949

Sweetspot

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



37.7849, 0.2816, 0.5337



79.9309, 0.2926, 0.3811



41.1029, 0.3537, 0.5574



17.2375, 0.2900, 0.3897



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.



37.7849, 0.2816, 0.5337



67.6232, 0.2824, 0.5366



40.1180, 0.2350, 0.3658



10.7108, 0.3063, 0.3431



24.8448, 0.2809, 0.5313



0.9861, 0.2671, 0.4816

Inverse Universe

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



12.3209, 0.4532, 0.2271



22.0096, 0.4559, 0.2285



11.1391, 0.6260, 0.3223



9.6303, 0.3197, 0.3153



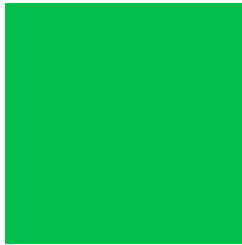
8.1105, 0.4511, 0.2258



0.3303, 0.4120, 0.2044

Previews

White Background



This preview shows how the Yxy color 37.7834, 0.2816, 0.5337 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 37.7834, 0.2816, 0.5337 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 37.7834, 0.2816, 0.5337

Background



This preview shows how black text looks on a background with the Yxy color 37.7834, 0.2816, 0.5337.



This preview shows how white text looks on a background with the Yxy color 37.7834, 0.2816, 0.5337.

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

37.7834, 0.2816, 0.5337

Protanopia

37.0356, 0.4142, 0.4532

Deuteranopia

36.8663, 0.4257, 0.4168



Tritanopia

37.6717, 0.2339, 0.3055

Trichromacy



Original Color

37.7834, 0.2816, 0.5337



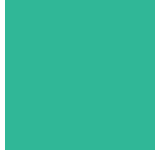
Protanomaly

34.5089, 0.3397, 0.4966



Deuteranomaly

33.5743, 0.3449, 0.4705



Tritanomaly

36.7297, 0.2483, 0.3843

Monochromacy



Original Color

37.7834, 0.2816, 0.5337



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.1555, 0.2835, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7834, 0.2816, 0.5337 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 76) }
```

Border

The CSS property to change the border of an element to Yxy 37.7834, 0.2816, 0.5337 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, 76) }
```

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

```
.border{ border-color:rgb(0, 191, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.7834, 0.2816, 0.5337 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, 76) }
```

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

```
.background{ background-color: rgb(0, 191,  
76) }
```

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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