

Converting Colors

$Y_{xy}(37.9427, 0.2800, 0.5280)$

Have a look what the booklet for
Yxy(37.9427, 0.2800, 0.5280)
contains.

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Color

Yxy(37.8408, 0.2798, 0.5274)

Conversions

Conversions Part 1

Format	Color
Hex	00BF50
RGB	0, 191, 80
RGB Percent	0%, 75%, 31%
CMY	1.0000, 0.2509, 0.6863
CMYK	1.00, 0.00, 0.58, 0.25
HSL	145°, 100%, 37%
HSV	145°, 100%, 75%
XYZ	20.0756, 37.8408, 13.8333
YIQ	121.2370, -78.2050, -75.0130

Conversions

Conversions Part 2

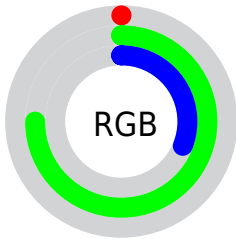
Format	Color
RYB	0, 135, 191
Decimal	48976
CIELab	67.90, -63.88, 44.12
CIELCh	68, 77.636, 145.371
Yxy	37.8408, 0.2798, 0.5274
Android (android.graphics.Color)	4278239056 (0xFF00BF50)
YUV	121.2370, -20.3298, -106.3248
Hunter-Lab	61.5149, -49.3970, 29.7274

Details

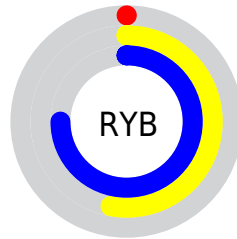
The Yxy color **37.8408, 0.2798, 0.5274** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **12.2255, 0.4622, 0.2320**, and the grayscale version is **19.2885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0140, 0.2900, 0.4848**, and **17.6922, 0.2932, 0.5755** is the 20% darker color. If you saturate the color by 10%, you get **37.8443, 0.2798, 0.5274**, and if you desaturate by 10%, it is **38.1617, 0.2767, 0.5078**.

Distribution



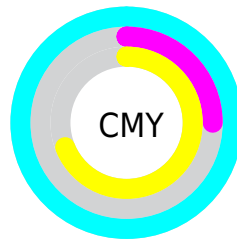
- Red (0%)
- Green (75%)
- Blue (31%)



- Red (0%)
- Yellow (53%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8408, 0.2798, 0.5274 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 37.8408, 0.2798, 0.5274 by changing the saturation by 10% instead.


 37.8408, 0.2798,
0.5274


 37.8408, 0.2798,
0.5274


336.9366, 0.3028,
0.4161


 25.8592, 0.2713,
0.5587


 71.8641, 0.2900,
0.4842


 16.7183, 0.2586,
0.6005


 94.6745, 0.2933,
0.4688


 10.0339, 0.2383,
0.6579


 121.8632, 0.2958,
0.4561

 5.4214, 0.2081,
0.7532

 153.8148, 0.2978,
0.4455

 2.4966, 0.1150,
0.8850

 190.9135, 0.2994,
0.4365

 0.8749, 0.0000,
1.0000

233.5438, 0.3007,

 0.0000, 0.0000,

0.4287

0.0000

282.0900, 0.3018,
0.4220

■ 37.8408, 0.2798,
0.5274

■ 37.8408, 0.2798,
0.5274

■ 37.8443, 0.2798,
0.5274

■ 38.1617, 0.2767,
0.5078

■ 38.6444, 0.2751,
0.4866

■ 39.3430, 0.2753,
0.4642

■ 40.2837, 0.2774,
0.4415

■ 41.4886, 0.2811,
0.4193

■ 42.9775, 0.2861,
0.3980

■ 44.7679, 0.2920,
0.3782

■ 46.8760, 0.2986,
0.3601

■ 49.3169, 0.3056,
0.3436

Harmonies

Analogous

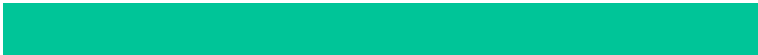
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.8408, 0.3825, 0.5375



37.8408, 0.2798, 0.5274



37.8408, 0.1911, 0.4141

Triad

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



37.8408, 0.2798, 0.5274



37.8408, 0.1545, 0.1713



37.8408, 0.5194, 0.3210

Complementary

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



37.8408, 0.2798, 0.5274



12.2255, 0.4622, 0.2320

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.



37.8408, 0.4319, 0.2540



37.8408, 0.2798, 0.5274



37.8408, 0.2133, 0.1723

Square

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



37.8408, 0.2798, 0.5274



37.8408, 0.1311, 0.2039



37.8408, 0.3117, 0.2013



37.8408, 0.5302, 0.3949

Rectangle

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



37.8408, 0.2798, 0.5274



37.8408, 0.1531, 0.3229



37.8408, 0.3117, 0.2013



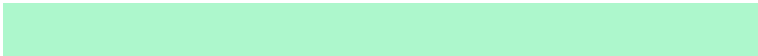
37.8408, 0.4976, 0.2978

Sweetspot

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



37.8443, 0.2798, 0.5274



80.0068, 0.2917, 0.3791



40.6722, 0.3485, 0.5615



17.2558, 0.2891, 0.3874



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.



37.8443, 0.2798, 0.5274



67.7269, 0.2806, 0.5302



40.3640, 0.2319, 0.3549



10.7141, 0.3060, 0.3426



24.8837, 0.2791, 0.5249



0.9878, 0.2656, 0.4760

Inverse Universe

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



12.2255, 0.4622, 0.2320



21.8442, 0.4649, 0.2335



11.1146, 0.6312, 0.3251



9.6268, 0.3200, 0.3157



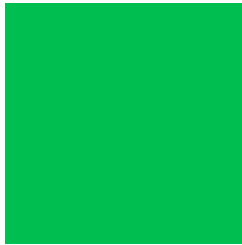
8.0500, 0.4597, 0.2306



0.3281, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 37.8408, 0.2798, 0.5274 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 37.8408, 0.2798, 0.5274 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 37.8408, 0.2798, 0.5274

Background



This preview shows how black text looks on a background with the Yxy color 37.8408, 0.2798, 0.5274.



This preview shows how white text looks on a background with the Yxy color 37.8408, 0.2798, 0.5274.

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

37.8408, 0.2798, 0.5274

Protanopia

36.9639, 0.4105, 0.4497

Deuteranopia

37.2696, 0.4215, 0.4135



Tritanopia

37.6311, 0.2335, 0.3055

Trichromacy



Original Color

37.8408, 0.2798, 0.5274



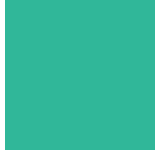
Protanomaly

34.4931, 0.3364, 0.4916



Deuteranomaly

33.6370, 0.3421, 0.4646



Tritanomaly

36.7953, 0.2472, 0.3806

Monochromacy



Original Color

37.8408, 0.2798, 0.5274



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.1762, 0.2827, 0.4110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8408, 0.2798, 0.5274 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 80) }
```

Border

The CSS property to change the border of an element to Yxy 37.8408, 0.2798, 0.5274 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, 80) }
```

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

```
.border{ border-color:rgb(0, 191, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.8408, 0.2798, 0.5274 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, 80) }
```

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

```
.background{ background-color: rgb(0, 191,  
80) }
```

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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