

Converting Colors

$Y_{xy}(35.4258, 0.2435, 0.4869)$

Have a look what the booklet for
Yxy(35.4258, 0.2435, 0.4869)
contains.

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Color

Yxy(37.0070, 0.2663, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	00BC6A
RGB	0, 188, 106
RGB Percent	0%, 74%, 42%
CMY	1.0000, 0.2627, 0.5842
CMYK	1.00, 0.00, 0.44, 0.26
HSL	154°, 100%, 37%
HSV	154°, 100%, 74%
XYZ	20.5826, 37.0070, 19.7015
YIQ	122.4400, -85.7260, -65.3580

Conversions

Conversions Part 2

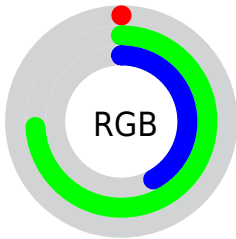
Format	Color
RYB	0, 120, 188
Decimal	48234
CIELab	67.28, -58.72, 30.47
CIELCh	67, 66.154, 152.576
Yxy	37.0070, 0.2663, 0.4788
Android (android.graphics.Color)	4278238314 (0xFF00BC6A)
YUV	122.4400, -8.1049, -107.3799
Hunter-Lab	60.8334, -46.0639, 23.3817

Details

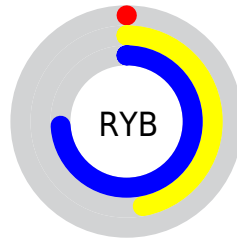
The Yxy color **37.0070, 0.2663, 0.4788** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.3011, 0.5232, 0.2656**, and the grayscale version is **19.6641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3148, 0.2775, 0.4459**, and **17.0705, 0.2775, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **37.0107, 0.2663, 0.4788**, and if you desaturate by 10%, it is **37.3260, 0.2640, 0.4626**.

Distribution



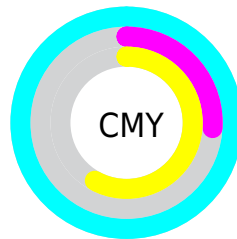
- Red (0%)
- Green (74%)
- Blue (42%)



- Red (0%)
- Yellow (47%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0070, 0.2663, 0.4788 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 37.0070, 0.2663, 0.4788 by changing the saturation by 10% instead.

 37.0070, 0.2663,
0.4788


 37.0070, 0.2663,
0.4788


333.3408, 0.2936,
0.3949


 25.2129, 0.2579,
0.5029


 70.5836, 0.2774,
0.4461

 16.2358, 0.2460,
0.5356

 93.1348, 0.2812,
0.4344

 9.6911, 0.2283,
0.5824


 120.0406, 0.2842,
0.4249

 5.1947, 0.1997,
0.6530

 151.6852, 0.2868,
0.4169

 2.3619, 0.1402,
0.8598

 188.4532, 0.2889,
0.4102

 0.8062, 0.0000,
1.0000

 230.7289, 0.2907,

 0.0000, 0.0000,

0.4044

0.0000

278.8966, 0.2923,
0.3994

■ 37.0070, 0.2663,
0.4788

■ 37.0070, 0.2663,
0.4788

■ 37.0107, 0.2663,
0.4788

■ 37.3260, 0.2640,
0.4626

■ 37.7897, 0.2632,
0.4458

■ 38.4503, 0.2644,
0.4288

■ 39.3323, 0.2676,
0.4119

■ 40.4565, 0.2725,
0.3956

■ 41.8410, 0.2789,
0.3800

■ 43.5024, 0.2864,
0.3655

■ 45.4557, 0.2947,
0.3521

■ 47.7148, 0.3036,
0.3399

Harmonies

Analogous

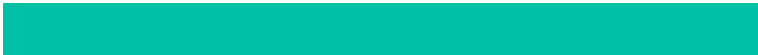
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0070, 0.3574, 0.5144



37.0070, 0.2663, 0.4788



37.0070, 0.1931, 0.3740

Triad

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



37.0070, 0.2663, 0.4788



37.0070, 0.1816, 0.1864



37.0070, 0.5005, 0.3415

Complementary

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



37.0070, 0.2663, 0.4788



11.3011, 0.5232, 0.2656

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.



37.0070, 0.4383, 0.2777



37.0070, 0.2663, 0.4788



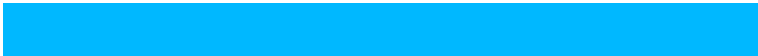
37.0070, 0.2439, 0.1932

Square

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



37.0070, 0.2663, 0.4788



37.0070, 0.1526, 0.2095



37.0070, 0.3375, 0.2254



37.0070, 0.4977, 0.4101

Rectangle

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



37.0070, 0.2663, 0.4788



37.0070, 0.1637, 0.3014



37.0070, 0.3375, 0.2254



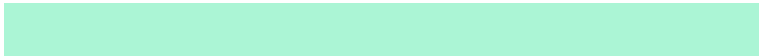
37.0070, 0.4865, 0.3195

Sweetspot

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



37.0107, 0.2663, 0.4788



78.6751, 0.2860, 0.3661



37.8822, 0.3300, 0.5762



16.6345, 0.2827, 0.3722



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.0107, 0.2663, 0.4788



67.0206, 0.2670, 0.4813



35.7139, 0.2204, 0.3133



10.7373, 0.3041, 0.3392



25.2119, 0.2658, 0.4768



1.0005, 0.2549, 0.4375

Inverse Universe

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



11.3011, 0.5232, 0.2656



20.4326, 0.5271, 0.2677



10.8963, 0.6365, 0.3328



9.6036, 0.3222, 0.3190



7.7081, 0.5202, 0.2639



0.3151, 0.4607, 0.2311

Previews

White Background



This preview shows how the Yxy color 37.0070, 0.2663, 0.4788 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 37.0070, 0.2663, 0.4788 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 37.0070, 0.2663, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 37.0070, 0.2663, 0.4788.



This preview shows how white text looks on a background with the Yxy color 37.0070, 0.2663, 0.4788.

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

37.0070, 0.2663, 0.4788

Protanopia

36.5039, 0.3885, 0.4224

Deuteranopia

36.4612, 0.3928, 0.3853



Tritanopia

36.9487, 0.2322, 0.3068

Trichromacy



Original Color

37.0070, 0.2663, 0.4788



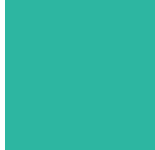
Protanomaly

33.9359, 0.3175, 0.4516



Deuteranomaly

33.3639, 0.3187, 0.4247



Tritanomaly

36.5870, 0.2416, 0.3647

Monochromacy



Original Color

37.0070, 0.2663, 0.4788



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.4384, 0.2754, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0070, 0.2663, 0.4788 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, 188, 106)` looks like.

```
.text, #text, p{  
  color:rgb(0, 188, 106)  
}
```

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, 188, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 106) }
```

Border

The CSS property to change the border of an element to Yxy 37.0070, 0.2663, 0.4788 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, 188, 106) }
```

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

```
.border{ border-color:rgb(0, 188, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0070, 0.2663, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 106) }
```

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

```
.background{ background-color: rgb(0, 188,  
106) }
```

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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