

Converting Colors

$Y_{xy}(35.8206, 0.2242, 0.5087)$

Have a look what the booklet for
Yxy(35.8206, 0.2242, 0.5087)
contains.

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Color

Yxy(38.6785, 0.2691, 0.4887)

Conversions

Conversions Part 1

Format	Color
Hex	00C067
RGB	0, 192, 103
RGB Percent	0%, 75%, 40%
CMY	0.9994, 0.2470, 0.5962
CMYK	1.00, 0.00, 0.46, 0.25
HSL	152°, 100%, 38%
HSV	152°, 100%, 75%
XYZ	21.2981, 38.6785, 19.1691
YIQ	124.4460, -85.8630, -68.3830

Conversions

Conversions Part 2

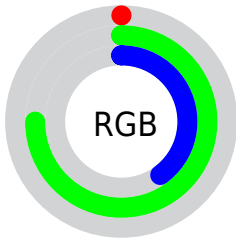
Format	Color
RYB	0, 125, 192
Decimal	49255
CIELab	68.52, -60.61, 33.63
CIELCh	69, 69.310, 150.976
Yxy	38.6785, 0.2691, 0.4887
Android (android.graphics.Color)	4278239335 (0xFF00C067)
YUV	124.4460, -10.5729, -109.1391
Hunter-Lab	62.1920, -47.7075, 25.2598

Details

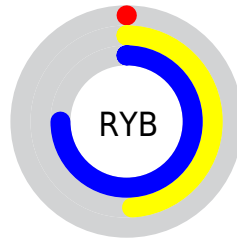
The Yxy color **38.6785, 0.2691, 0.4887** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **11.9339, 0.5116, 0.2592**, and the grayscale version is **20.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3344, 0.2799, 0.4548**, and **18.1577, 0.2806, 0.5300** is the 20% darker color. If you saturate the color by 10%, you get **38.6778, 0.2691, 0.4888**, and if you desaturate by 10%, it is **39.0096, 0.2665, 0.4716**.

Distribution



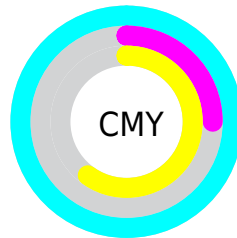
- Red (0%)
- Green (75%)
- Blue (40%)



- Red (0%)
- Yellow (49%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (25%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6785, 0.2691, 0.4887 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 38.6785, 0.2691, 0.4887 by changing the saturation by 10% instead.


 38.6785, 0.2691,
0.4887


 38.6785, 0.2691,
0.4887


340.5217, 0.2953,
0.3997

 26.5097, 0.2609,
0.5140


 73.1469, 0.2798,
0.4541

 17.2053, 0.2492,
0.5481


 96.2153, 0.2835,
0.4418

 10.3810, 0.2316,
0.5963


 123.6858, 0.2864,
0.4317

 5.6523, 0.2033,
0.6678

 155.9426, 0.2888,
0.4232

 2.6348, 0.1511,
0.8489

 193.3702, 0.2908,
0.4160

 0.9442, 0.0000,
1.0000

236.3530, 0.2925,

 0.0000, 0.0000,

0.4098

0.0000

285.2753, 0.2940,
0.4044

■ 38.6785, 0.2691,
0.4887

■ 38.6785, 0.2691,
0.4887

■ 38.6778, 0.2691,
0.4888

■ 39.0096, 0.2665,
0.4716

■ 39.4983, 0.2655,
0.4538

■ 40.1960, 0.2665,
0.4357

■ 41.1286, 0.2695,
0.4176

■ 42.3180, 0.2741,
0.4001

■ 43.7835, 0.2802,
0.3834

■ 45.5426, 0.2875,
0.3678

■ 47.6111, 0.2955,
0.3535

■ 50.0038, 0.3040,
0.3406

Harmonies

Analogous

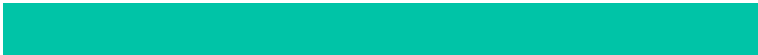
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.6785, 0.3627, 0.5198



38.6785, 0.2691, 0.4887



38.6785, 0.1926, 0.3817

Triad

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



38.6785, 0.2691, 0.4887



38.6785, 0.1758, 0.1832



38.6785, 0.5045, 0.3373

Complementary

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



38.6785, 0.2691, 0.4887



11.9339, 0.5116, 0.2592

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.



38.6785, 0.4373, 0.2728



38.6785, 0.2691, 0.4887



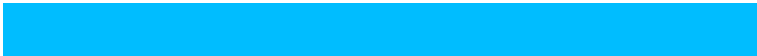
38.6785, 0.2375, 0.1888

Square

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



38.6785, 0.2691, 0.4887



38.6785, 0.1480, 0.2083



38.6785, 0.3323, 0.2204



38.6785, 0.5044, 0.4072

Rectangle

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



38.6785, 0.2691, 0.4887



38.6785, 0.1615, 0.3055



38.6785, 0.3323, 0.2204



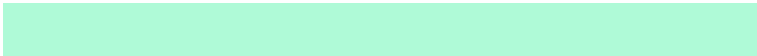
38.6785, 0.4890, 0.3150

Sweetspot

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



38.6801, 0.2691, 0.4887



82.3271, 0.2870, 0.3687



39.8581, 0.3320, 0.5745



17.3597, 0.2839, 0.3752



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.



38.6801, 0.2691, 0.4887



70.0288, 0.2698, 0.4914



38.7592, 0.2218, 0.3185



11.3471, 0.3045, 0.3399



26.0412, 0.2685, 0.4867



1.1390, 0.2578, 0.4481

Inverse Universe

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



11.9339, 0.5116, 0.2592



21.5654, 0.5154, 0.2613



11.3490, 0.6376, 0.3318



10.1539, 0.3218, 0.3184



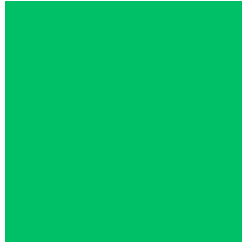
8.0425, 0.5088, 0.2577



0.3614, 0.4562, 0.2287

Previews

White Background



This preview shows how the Yxy color 38.6785, 0.2691, 0.4887 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 38.6785, 0.2691, 0.4887 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 38.6785, 0.2691, 0.4887

Background



This preview shows how black text looks on a background with the Yxy color 38.6785, 0.2691, 0.4887.



This preview shows how white text looks on a background with the Yxy color 38.6785, 0.2691, 0.4887.

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

38.6785, 0.2691, 0.4887

Protanopia

38.0078, 0.3932, 0.4282

Deuteranopia

38.0861, 0.3992, 0.3916



Tritanopia

38.4110, 0.2320, 0.3056

Trichromacy



Original Color

38.6785, 0.2691, 0.4887



Protanomaly

35.2360, 0.3218, 0.4592



Deuteranomaly

34.7206, 0.3242, 0.4326



Tritanomaly

37.8874, 0.2425, 0.3676

Monochromacy



Original Color

38.6785, 0.2691, 0.4887



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.4181, 0.2768, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6785, 0.2691, 0.4887 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, 192, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 103)  
}
```

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, 192, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 103) }
```

Border

The CSS property to change the border of an element to Yxy 38.6785, 0.2691, 0.4887 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, 192, 103) }
```

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

```
.border{ border-color:rgb(0, 192, 103) }
```

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

Here you see how a box with a 4 pixel rgb(0, 192, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6785, 0.2691, 0.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 103) }
```

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

```
.background{ background-color: rgb(0, 192,  
103) }
```

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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