

Converting Colors

$Y_{xy}(38.5811, 0.2716, 0.4976)$

Have a look what the booklet for
Yxy(38.5811, 0.2716, 0.4976)
contains.

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Color

Yxy(38.5811, 0.2716, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	00C062
RGB	0, 192, 98
RGB Percent	0%, 75%, 38%
CMY	0.9984, 0.2471, 0.6156
CMYK	1.00, 0.00, 0.49, 0.25
HSL	151°, 100%, 38%
HSV	151°, 100%, 75%
XYZ	21.0583, 38.5811, 17.8949
YIQ	123.8760, -84.2580, -69.9380

Conversions

Conversions Part 2

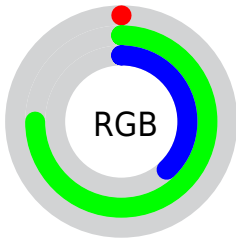
Format	Color
RYB	0, 127, 192
Decimal	49250
CIELab	68.45, -61.44, 36.05
CIELCh	68, 71.236, 149.602
Yxy	38.5811, 0.2716, 0.4976
Android (android.graphics.Color)	4278239330 (0xFF00C062)
YUV	123.8760, -12.7569, -108.6393
Hunter-Lab	62.1137, -48.1823, 26.3982

Details

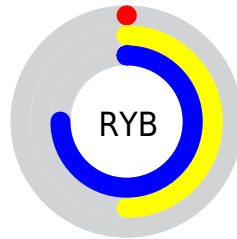
The Yxy color **38.5811, 0.2716, 0.4976** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.0301, 0.5000, 0.2529**, and the grayscale version is **20.2194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1699, 0.2822, 0.4616**, and **18.1131, 0.2835, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **38.5763, 0.2717, 0.4980**, and if you desaturate by 10%, it is **38.9132, 0.2688, 0.4798**.

Distribution



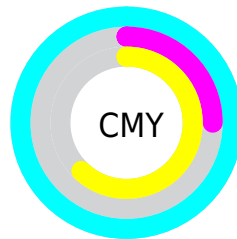
- Red (0%)
- Green (75%)
- Blue (38%)



- Red (0%)
- Yellow (50%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5811, 0.2716, 0.4976 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 38.5811, 0.2716, 0.4976 by changing the saturation by 10% instead.

 38.5811, 0.2716,
0.4976


 38.5811, 0.2716,
0.4976

340.1062, 0.2970,
0.4035


 26.4340, 0.2634,
0.5243

 72.9979, 0.2821,
0.4610


 17.1486, 0.2516,
0.5603


 96.0365, 0.2857,
0.4480


 10.3405, 0.2336,
0.6109


 123.4743, 0.2885,
0.4373

 5.6253, 0.2041,
0.6852

 155.6958, 0.2908,
0.4283

 2.6186, 0.1442,
0.8558

 193.0853, 0.2928,
0.4207

 0.9360, 0.0000,
1.0000

236.0273, 0.2944,

 0.0000, 0.0000,

0.4141

0.0000

284.9061, 0.2958,
0.4085

■ 38.5811, 0.2716,
0.4976

■ 38.5811, 0.2716,
0.4976

■ 38.5763, 0.2717,
0.4980

■ 38.9132, 0.2688,
0.4798

■ 39.4063, 0.2677,
0.4611

■ 40.1110, 0.2685,
0.4419

■ 41.0530, 0.2713,
0.4227

■ 42.2544, 0.2758,
0.4041

■ 43.7345, 0.2817,
0.3864

■ 45.5109, 0.2886,
0.3699

■ 47.5995, 0.2963,
0.3548

■ 50.0152, 0.3045,
0.3411

Harmonies

Analogous

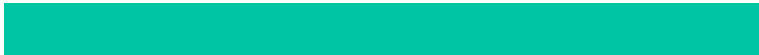
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.5811, 0.3674, 0.5243



38.5811, 0.2716, 0.4976



38.5811, 0.1923, 0.3888

Triad

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



38.5811, 0.2716, 0.4976



38.5811, 0.1708, 0.1804



38.5811, 0.5080, 0.3336

Complementary

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



38.5811, 0.2716, 0.4976



12.0301, 0.5000, 0.2529

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.



38.5811, 0.4362, 0.2685



38.5811, 0.2716, 0.4976



38.5811, 0.2319, 0.1849

Square

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



38.5811, 0.2716, 0.4976



38.5811, 0.1440, 0.2072



38.5811, 0.3276, 0.2159



38.5811, 0.5104, 0.4045

Rectangle

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



38.5811, 0.2716, 0.4976



38.5811, 0.1595, 0.3093



38.5811, 0.3276, 0.2159



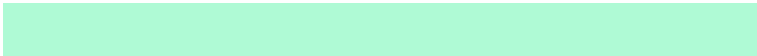
38.5811, 0.4912, 0.3111

Sweetspot

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



38.5827, 0.2716, 0.4976



82.2253, 0.2881, 0.3710



40.1966, 0.3365, 0.5709



17.3356, 0.2851, 0.3779



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.



38.5827, 0.2716, 0.4976



69.8495, 0.2724, 0.5006



41.5062, 0.2247, 0.3287



11.3426, 0.3048, 0.3405



25.9744, 0.2711, 0.4958



1.1362, 0.2598, 0.4553

Inverse Universe

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



12.0301, 0.5000, 0.2529



21.7253, 0.5040, 0.2550



11.2158, 0.6397, 0.3300



10.1584, 0.3214, 0.3178



8.1024, 0.4977, 0.2515



0.3640, 0.4480, 0.2242

Previews

White Background



This preview shows how the Yxy color 38.5811, 0.2716, 0.4976 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 38.5811, 0.2716, 0.4976 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 38.5811, 0.2716, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 38.5811, 0.2716, 0.4976.



This preview shows how white text looks on a background with the Yxy color 38.5811, 0.2716, 0.4976.

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

38.5811, 0.2716, 0.4976

Protanopia

37.9388, 0.3964, 0.4330

Deuteranopia

37.6364, 0.4045, 0.3966



Tritanopia

38.4497, 0.2324, 0.3057

Trichromacy



Original Color

38.5811, 0.2716, 0.4976



Protanomaly

35.1457, 0.3252, 0.4672



Deuteranomaly

34.2407, 0.3283, 0.4395



Tritanomaly

37.8403, 0.2439, 0.3711

Monochromacy



Original Color

38.5811, 0.2716, 0.4976



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.3950, 0.2775, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5811, 0.2716, 0.4976 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 98) }
```

Border

The CSS property to change the border of an element to Yxy 38.5811, 0.2716, 0.4976 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, 98) }
```

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

```
.border{ border-color:rgb(0, 192, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 192, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.5811, 0.2716, 0.4976 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, 98) }
```

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

```
.background{ background-color: rgb(0, 192,  
98) }
```

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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