

Converting Colors

$Y_{xy}(38.7713, 0.2591, 0.4528)$

Have a look what the booklet for
Yxy(38.7713, 0.2591, 0.4528)
contains.

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Color

Yxy(38.6667, 0.2589, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	00BF7A
RGB	0, 191, 122
RGB Percent	0%, 75%, 48%
CMY	1.0000, 0.2510, 0.5215
CMYK	1.00, 0.00, 0.36, 0.25
HSL	158°, 100%, 37%
HSV	158°, 100%, 75%
XYZ	22.1429, 38.6667, 24.7173
YIQ	126.0250, -91.6870, -61.9510

Conversions

Conversions Part 2

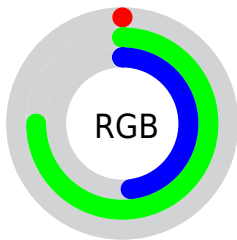
Format	Color
RYB	0, 117, 191
Decimal	49018
CIELab	68.51, -56.61, 23.70
CIELCh	69, 61.367, 157.281
Yxy	38.6667, 0.2589, 0.4521
Android (android.graphics.Color)	4278239098 (0xFF00BF7A)
YUV	126.0250, -1.9843, -110.5239
Hunter-Lab	62.1826, -45.2565, 19.9603

Details

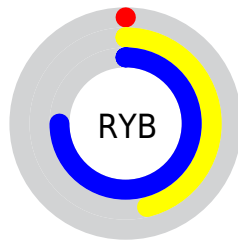
The Yxy color **38.6667, 0.2589, 0.4521** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.5064, 0.5540, 0.2825**, and the grayscale version is **20.9052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4432, 0.2706, 0.4261**, and **18.0894, 0.2678, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **38.6695, 0.2589, 0.4521**, and if you desaturate by 10%, it is **38.9862, 0.2571, 0.4385**.

Distribution



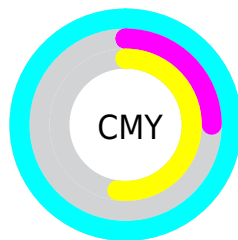
- Red (0%)
- Green (75%)
- Blue (48%)



- Red (0%)
- Yellow (46%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6667, 0.2589, 0.4521 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 38.6667, 0.2589, 0.4521 by changing the saturation by 10% instead.


 38.6667, 0.2589,
0.4521


 38.6667, 0.2589,
0.4521


340.4714, 0.2888,
0.3842


 26.5005, 0.2504,
0.4713


 73.1289, 0.2705,
0.4258

 17.1985, 0.2388,
0.4973


 96.1937, 0.2746,
0.4164

 10.3761, 0.2222,
0.5345


 123.6601, 0.2780,
0.4087

 5.6490, 0.1967,
0.5909

 155.9127, 0.2809,
0.4022

 2.6329, 0.1500,
0.6979

 193.3357, 0.2833,
0.3967

 0.9432, 0.0000,
1.0000

 236.3135, 0.2854,

 0.0000, 0.0000,

0.3919

0.0000

285.2306, 0.2872,
0.3878

■ 38.6667, 0.2589,
0.4521

■ 38.6667, 0.2589,
0.4521

■ 38.6695, 0.2589,
0.4521

■ 38.9862, 0.2571,
0.4385

■ 39.4522, 0.2569,
0.4246

■ 40.1172, 0.2587,
0.4107

■ 41.0065, 0.2625,
0.3969

■ 42.1414, 0.2681,
0.3836

■ 43.5409, 0.2751,
0.3709

■ 45.2218, 0.2834,
0.3590

■ 47.1996, 0.2927,
0.3481

■ 49.4887, 0.3025,
0.3380

Harmonies

Analogous

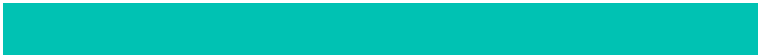
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.6667, 0.3427, 0.4980



38.6667, 0.2589, 0.4521



38.6667, 0.1946, 0.3544

Triad

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



38.6667, 0.2589, 0.4521



38.6667, 0.1980, 0.1955



38.6667, 0.4888, 0.3526

Complementary

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



38.6667, 0.2589, 0.4521



11.5064, 0.5540, 0.2825

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.



38.6667, 0.4399, 0.2912



38.6667, 0.2589, 0.4521



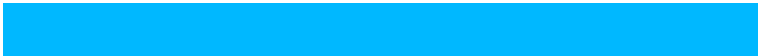
38.6667, 0.2616, 0.2056

Square

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



38.6667, 0.2589, 0.4521



38.6667, 0.1656, 0.2132



38.6667, 0.3509, 0.2394



38.6667, 0.4790, 0.4171

Rectangle

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



38.6667, 0.2589, 0.4521



38.6667, 0.1702, 0.2913



38.6667, 0.3509, 0.2394



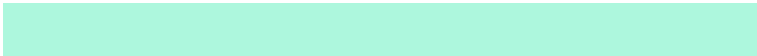
38.6667, 0.4788, 0.3315

Sweetspot

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



38.6695, 0.2589, 0.4521



80.8332, 0.2830, 0.3596



38.5671, 0.3203, 0.5839



17.4565, 0.2794, 0.3646



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.



38.6695, 0.2589, 0.4521



69.2053, 0.2595, 0.4542



30.8664, 0.2128, 0.2862



10.7495, 0.3032, 0.3374



25.4276, 0.2584, 0.4503



1.0081, 0.2493, 0.4176

Inverse Universe

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



11.5064, 0.5540, 0.2825



20.5646, 0.5579, 0.2847



11.7924, 0.6284, 0.3392



9.5918, 0.3233, 0.3207



7.5756, 0.5504, 0.2806



0.3094, 0.4838, 0.2439

Previews

White Background



This preview shows how the Yxy color 38.6667, 0.2589, 0.4521 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 38.6667, 0.2589, 0.4521 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 38.6667, 0.2589, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 38.6667, 0.2589, 0.4521.

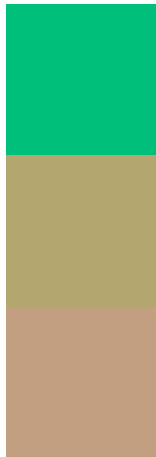


This preview shows how white text looks on a background with the Yxy color 38.6667, 0.2589, 0.4521.

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

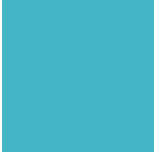
38.6667, 0.2589, 0.4521

Protanopia

38.1234, 0.3759, 0.4056

Deuteranopia

37.8506, 0.3767, 0.3693



Tritanopia

38.6804, 0.2301, 0.3056

Trichromacy



Original Color

38.6667, 0.2589, 0.4521



Protanomaly

35.5426, 0.3080, 0.4294



Deuteranomaly

34.8431, 0.3067, 0.4032



Tritanomaly

38.1138, 0.2376, 0.3537

Monochromacy



Original Color

38.6667, 0.2589, 0.4521



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.9988, 0.2706, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6667, 0.2589, 0.4521 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 122) }
```

Border

The CSS property to change the border of an element to Yxy 38.6667, 0.2589, 0.4521 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, 122) }
```

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

```
.border{ border-color:rgb(0, 191, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6667, 0.2589, 0.4521 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, 122) }
```

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

```
.background{ background-color: rgb(0, 191,  
122) }
```

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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