

Converting Colors

$Y_{xy}(38.8278, 0.2579, 0.4485)$

Have a look what the booklet for
Yxy(38.8278, 0.2579, 0.4485)
contains.

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Color

Yxy(38.7168, 0.2579, 0.4484)

Conversions

Conversions Part 1

Format	Color
Hex	00BF7C
RGB	0, 191, 124
RGB Percent	0%, 75%, 49%
CMY	0.9996, 0.2510, 0.5138
CMYK	1.00, 0.00, 0.35, 0.25
HSL	159°, 100%, 37%
HSV	159°, 100%, 75%
XYZ	22.2682, 38.7168, 25.3593
YIQ	126.2530, -92.3290, -61.3290

Conversions

Conversions Part 2

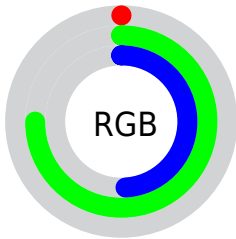
Format	Color
RYB	0, 116, 191
Decimal	49020
CIELab	68.55, -56.18, 22.72
CIELCh	69, 60.602, 157.985
Yxy	38.7168, 0.2579, 0.4484
Android (android.graphics.Color)	4278239100 (0xFF00BF7C)
YUV	126.2530, -1.1107, -110.7239
Hunter-Lab	62.2228, -45.0087, 19.3919

Details

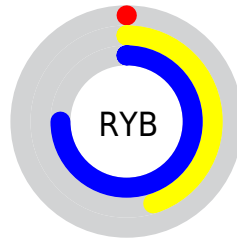
The Yxy color **38.7168, 0.2579, 0.4484** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.4854, 0.5577, 0.2846**, and the grayscale version is **20.9913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5224, 0.2697, 0.4233**, and **18.1163, 0.2664, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **38.7170, 0.2579, 0.4485**, and if you desaturate by 10%, it is **39.0336, 0.2562, 0.4352**.

Distribution



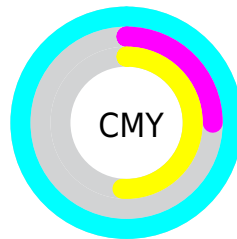
- Red (0%)
- Green (75%)
- Blue (49%)



- Red (0%)
- Yellow (45%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7168, 0.2579, 0.4484 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 38.7168, 0.2579, 0.4484 by changing the saturation by 10% instead.

 38.7168, 0.2579,
0.4484


 38.7168, 0.2579,
0.4484


340.6849, 0.2881,
0.3826


 26.5395, 0.2494,
0.4670


 73.2055, 0.2696,
0.4230


 17.2277, 0.2377,
0.4921

 96.2856, 0.2738,
0.4139

 10.3969, 0.2212,
0.5280


 123.7689, 0.2772,
0.4064

 5.6629, 0.1960,
0.5825

 156.0396, 0.2801,
0.4001

 2.6412, 0.1499,
0.6828

 193.4821, 0.2826,
0.3948

 0.9474, 0.0000,
1.0000

 236.4810, 0.2847,

 0.0000, 0.0000,

0.3902

0.0000

285.4204, 0.2865,
0.3861

■ 38.7168, 0.2579,
0.4484

■ 38.7168, 0.2579,
0.4484

■ 38.7170, 0.2579,
0.4485

■ 39.0336, 0.2562,
0.4352

■ 39.4980, 0.2561,
0.4217

■ 40.1610, 0.2580,
0.4082

■ 41.0477, 0.2619,
0.3949

■ 42.1794, 0.2675,
0.3820

■ 43.5751, 0.2747,
0.3696

■ 45.2515, 0.2831,
0.3581

■ 47.2242, 0.2924,
0.3475

■ 49.5075, 0.3024,
0.3377

Harmonies

Analogous

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



38.7168, 0.3406, 0.4954



38.7168, 0.2579, 0.4484



38.7168, 0.1949, 0.3518

Triad

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



38.7168, 0.2579, 0.4484



38.7168, 0.2003, 0.1968



38.7168, 0.4870, 0.3541

Complementary

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



38.7168, 0.2579, 0.4484



11.4854, 0.5577, 0.2846

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.



38.7168, 0.4400, 0.2930



38.7168, 0.2579, 0.4484



38.7168, 0.2641, 0.2074

Square

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



38.7168, 0.2579, 0.4484



38.7168, 0.1675, 0.2137



38.7168, 0.3528, 0.2414



38.7168, 0.4763, 0.4180

Rectangle

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



38.7168, 0.2579, 0.4484



38.7168, 0.1711, 0.2900



38.7168, 0.3528, 0.2414



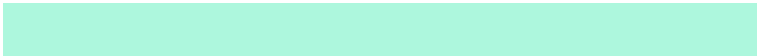
38.7168, 0.4777, 0.3332

Sweetspot

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



38.7183, 0.2579, 0.4484



80.8729, 0.2826, 0.3587



38.5688, 0.3204, 0.5838



17.4662, 0.2789, 0.3635



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.



38.7183, 0.2579, 0.4484



69.2917, 0.2585, 0.4505



30.8708, 0.2128, 0.2862



10.7511, 0.3030, 0.3372



25.4590, 0.2574, 0.4467



1.0092, 0.2486, 0.4150

Inverse Universe

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



11.4854, 0.5577, 0.2846



20.5234, 0.5618, 0.2869



11.7958, 0.6283, 0.3392



9.5902, 0.3235, 0.3210



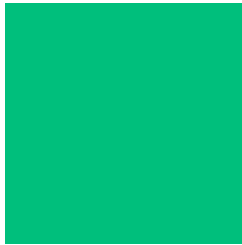
7.5600, 0.5543, 0.2827



0.3087, 0.4869, 0.2456

Previews

White Background



This preview shows how the Yxy color 38.7168, 0.2579, 0.4484 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 38.7168, 0.2579, 0.4484 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 38.7168, 0.2579, 0.4484

Background



This preview shows how black text looks on a background with the Yxy color 38.7168, 0.2579, 0.4484.



This preview shows how white text looks on a background with the Yxy color 38.7168, 0.2579, 0.4484.

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

38.7168, 0.2579, 0.4484

Protanopia

38.1680, 0.3741, 0.4029

Deuteranopia

37.9043, 0.3747, 0.3666



Tritanopia

38.6804, 0.2301, 0.3056

Trichromacy



Original Color

38.7168, 0.2579, 0.4484



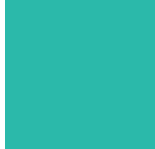
Protanomaly

35.5891, 0.3065, 0.4260



Deuteranomaly

34.8953, 0.3051, 0.3998



Tritanomaly

38.1138, 0.2376, 0.3537

Monochromacy



Original Color

38.7168, 0.2579, 0.4484



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 38.7168, 0.2579, 0.4484 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 124) }
```

Border

The CSS property to change the border of an element to Yxy 38.7168, 0.2579, 0.4484 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, 124) }
```

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

```
.border{ border-color:rgb(0, 191, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7168, 0.2579, 0.4484 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, 124) }
```

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

```
.background{ background-color: rgb(0, 191,  
124) }
```

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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