

Converting Colors

$Y_{xy}(50.3473, 0.2537, 0.4333)$

Have a look what the booklet for
Yxy(50.3473, 0.2537, 0.4333)
contains.

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Color

Yxy(50.2313, 0.2538, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	00D694
RGB	0, 214, 148
RGB Percent	0%, 84%, 58%
CMY	1.0000, 0.1607, 0.4195
CMYK	1.00, 0.00, 0.31, 0.16
HSL	162°, 100%, 42%
HSV	162°, 100%, 84%
XYZ	29.3884, 50.2313, 36.1739
YIQ	142.4900, -106.3580, -65.8940

Conversions

Conversions Part 2

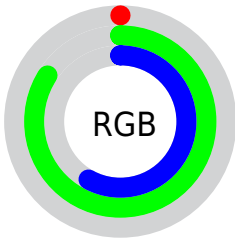
Format	Color
RYB	0, 127, 214
Decimal	54932
CIELab	76.21, -59.36, 20.47
CIELCh	76, 62.787, 160.977
Yxy	50.2313, 0.2538, 0.4338
Android (android.graphics.Color)	4278245012 (0xFF00D694)
YUV	142.4900, 2.7164, -124.9637
Hunter-Lab	70.8740, -50.0133, 19.3504

Details

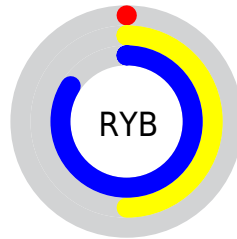
The Yxy color **50.2313, 0.2538, 0.4338** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.6906, 0.5757, 0.2945**, and the grayscale version is **27.2784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7273, 0.2617, 0.3953**, and **25.3168, 0.2609, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **50.2366, 0.2538, 0.4338**, and if you desaturate by 10%, it is **50.6155, 0.2523, 0.4222**.

Distribution



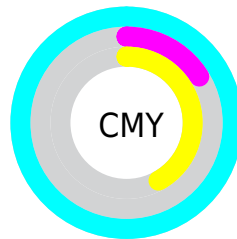
- Red (0%)
- Green (84%)
- Blue (58%)



- Red (0%)
- Yellow (50%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2313, 0.2538, 0.4338 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 50.2313, 0.2538, 0.4338 by changing the saturation by 10% instead.


 50.2313, 0.2538,
0.4338


 50.2313, 0.2538,
0.4338


387.5698, 0.2844,
0.3787


 35.5972, 0.2459,
0.4484


 90.5175, 0.2651,
0.4132


 24.1233, 0.2355,
0.4675


 116.9384, 0.2693,
0.4056


 15.4251, 0.2215,
0.4937


 148.0570, 0.2728,
0.3993

 9.1183, 0.2016,
0.5315

 184.2577, 0.2758,
0.3939

 4.8184, 0.1715,
0.5899

 225.9250, 0.2784,
0.3893

 2.1411, 0.0879,
0.7330

273.4431, 0.2807,

 0.6876, 0.0000,

0.3853

1.0000

327.1966, 0.2826,
0.3818

■ 0.0000, 0.0000,
0.0000

■ 50.2313, 0.2538,
0.4338

■ 50.2313, 0.2538,
0.4338

■ 50.2366, 0.2538,
0.4338

■ 50.6155, 0.2523,
0.4222

■ 51.1881, 0.2525,
0.4104

■ 52.0150, 0.2546,
0.3986

■ 53.1297, 0.2588,
0.3870

■ 54.5607, 0.2648,
0.3756

■ 56.3327, 0.2723,
0.3649

■ 58.4680, 0.2812,
0.3547

■ 60.9871, 0.2911,
0.3453

■ 63.9088, 0.3017,
0.3368

Harmonies

Analogous

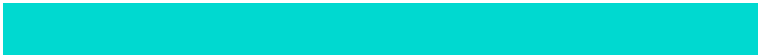
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.2313, 0.3322, 0.4852



50.2313, 0.2538, 0.4338



50.2313, 0.1959, 0.3417

Triad

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



50.2313, 0.2538, 0.4338



50.2313, 0.2099, 0.2021



50.2313, 0.4801, 0.3603

Complementary

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



50.2313, 0.2538, 0.4338



14.6906, 0.5757, 0.2945

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.



50.2313, 0.4404, 0.3007



50.2313, 0.2538, 0.4338



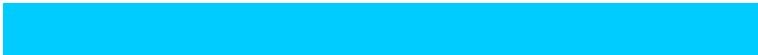
50.2313, 0.2742, 0.2146

Square

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



50.2313, 0.2538, 0.4338



50.2313, 0.1751, 0.2159



50.2313, 0.3600, 0.2494



50.2313, 0.4657, 0.4214

Rectangle

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



50.2313, 0.2538, 0.4338



50.2313, 0.1749, 0.2848



50.2313, 0.3600, 0.2494



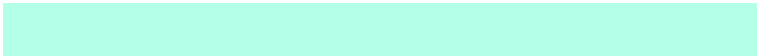
50.2313, 0.4729, 0.3399

Sweetspot

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



50.2366, 0.2538, 0.4338



86.8372, 0.2809, 0.3550



49.3183, 0.3150, 0.5881



18.2843, 0.2770, 0.3593



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.2366, 0.2538, 0.4338



74.6696, 0.2541, 0.4349



35.4275, 0.2080, 0.2687



14.0396, 0.3023, 0.3363



30.3813, 0.2534, 0.4321



1.8470, 0.2478, 0.4120

Inverse Universe

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



14.6906, 0.5757, 0.2945



21.8190, 0.5782, 0.2959



15.7640, 0.6219, 0.3444



12.4832, 0.3243, 0.3218



8.8952, 0.5719, 0.2924



0.5512, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 50.2313, 0.2538, 0.4338 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 50.2313, 0.2538, 0.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

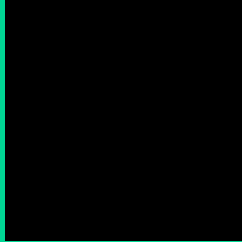
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2313, 0.2538, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 50.2313, 0.2538, 0.4338.

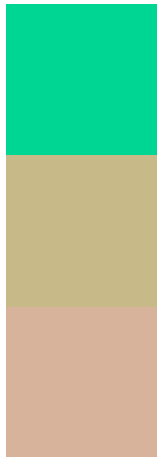


This preview shows how white text looks on a background with the Yxy color 50.2313, 0.2538, 0.4338.

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

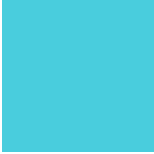
50.2313, 0.2538, 0.4338

Protanopia

49.1747, 0.3655, 0.3922

Deuteranopia

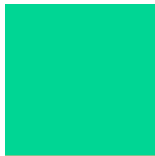
49.0876, 0.3646, 0.3570



Tritanopia

50.2996, 0.2294, 0.3066

Trichromacy



Original Color

50.2313, 0.2538, 0.4338



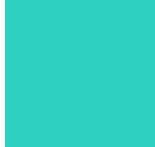
Protanomaly

45.8853, 0.2993, 0.4133



Deuteranomaly

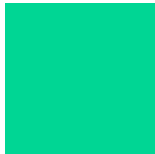
45.3175, 0.2977, 0.3864



Tritanomaly

49.5876, 0.2356, 0.3496

Monochromacy



Original Color

50.2313, 0.2538, 0.4338



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

32.1925, 0.2678, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2313, 0.2538, 0.4338 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, 214, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 148)  
}
```

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, 214, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 148) }
```

Border

The CSS property to change the border of an element to Yxy 50.2313, 0.2538, 0.4338 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, 214, 148) }
```

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

```
.border{ border-color:rgb(0, 214, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2313, 0.2538, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 148) }
```

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

```
.background{ background-color: rgb(0, 214,  
148) }
```

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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