

Converting Colors

$Y_{xy}(50.7460, 0.2481, 0.4131)$

Have a look what the booklet for
Yxy(50.7460, 0.2481, 0.4131)
contains.

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Color

Yxy(50.6312, 0.2482, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	00D6A0
RGB	0, 214, 160
RGB Percent	0%, 84%, 63%
CMY	0.9999, 0.1608, 0.3726
CMYK	1.00, 0.00, 0.25, 0.16
HSL	165°, 100%, 42%
HSV	165°, 100%, 84%
XYZ	30.3910, 50.6312, 41.4233
YIQ	143.8580, -110.2100, -62.1620

Conversions

Conversions Part 2

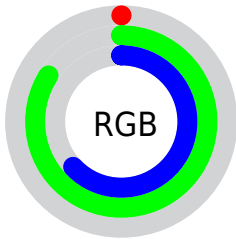
Format	Color
RYB	0, 122, 214
Decimal	54944
CIELab	76.46, -56.61, 14.49
CIELCh	76, 58.432, 165.646
Yxy	50.6312, 0.2482, 0.4135
Android (android.graphics.Color)	4278245024 (0xFF00D6A0)
YUV	143.8580, 7.9580, -126.1635
Hunter-Lab	71.1556, -48.2839, 15.2932

Details

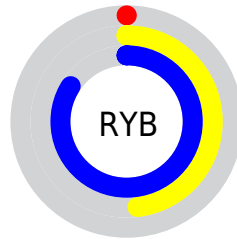
The Yxy color **50.6312, 0.2482, 0.4135** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.5643, 0.5945, 0.3049**, and the grayscale version is **27.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4296, 0.2564, 0.3781**, and **25.5364, 0.2540, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **50.6327, 0.2482, 0.4135**, and if you desaturate by 10%, it is **50.9904, 0.2472, 0.4042**.

Distribution



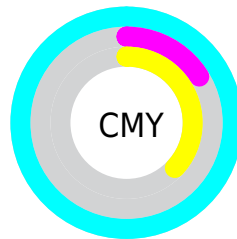
- Red (0%)
- Green (84%)
- Blue (63%)



- Red (0%)
- Yellow (48%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6312, 0.2482, 0.4135 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 50.6312, 0.2482, 0.4135 by changing the saturation by 10% instead.

 50.6312, 0.2482,
0.4135

 50.6312, 0.2482,
0.4135

389.1292, 0.2808,
0.3697


 35.9152, 0.2400,
0.4249


 91.1094, 0.2601,
0.3972


 24.3687, 0.2294,
0.4398


 117.6404, 0.2646,
0.3912


 15.6073, 0.2153,
0.4600


 148.8784, 0.2684,
0.3862

 9.2467, 0.1958,
0.4889

 185.2080, 0.2716,
0.3819

 4.9025, 0.1670,
0.5333

 227.0135, 0.2744,
0.3782

 2.1901, 0.0996,
0.6239

274.6792, 0.2768,

 0.7146, 0.0000,

0.3750

1.0000

328.5897, 0.2789,
0.3722

■ 0.0000, 0.0000,
0.0000

■ 50.6312, 0.2482,
0.4135

■ 50.6312, 0.2482,
0.4135

■ 50.6327, 0.2482,
0.4135

■ 50.9904, 0.2472,
0.4042

■ 51.5377, 0.2479,
0.3947

■ 52.3355, 0.2505,
0.3852

■ 53.4173, 0.2551,
0.3759

■ 54.8112, 0.2616,
0.3668

■ 56.5420, 0.2696,
0.3581

■ 58.6320, 0.2791,
0.3499

■ 61.1015, 0.2896,
0.3423

■ 63.9693, 0.3009,
0.3353

Harmonies

Analogous

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



50.6312, 0.3201, 0.4695



50.6312, 0.2482, 0.4135



50.6312, 0.1976, 0.3282

Triad

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



50.6312, 0.2482, 0.4135



50.6312, 0.2241, 0.2099



50.6312, 0.4698, 0.3688

Complementary

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



50.6312, 0.2482, 0.4135



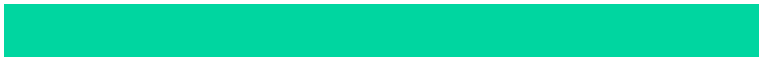
14.5643, 0.5945, 0.3049

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.



50.6312, 0.4401, 0.3116



50.6312, 0.2482, 0.4135



50.6312, 0.2887, 0.2252

Square

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



50.6312, 0.2482, 0.4135



50.6312, 0.1865, 0.2193



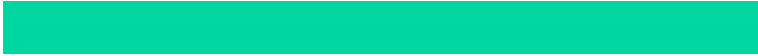
50.6312, 0.3697, 0.2611



50.6312, 0.4502, 0.4255

Rectangle

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



50.6312, 0.2482, 0.4135



50.6312, 0.1806, 0.2781



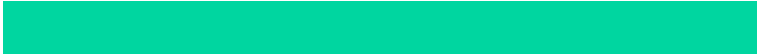
50.6312, 0.3697, 0.2611



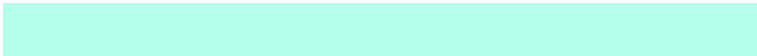
50.6312, 0.4656, 0.3494

Sweetspot

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



50.6332, 0.2482, 0.4135



87.0823, 0.2788, 0.3502



48.9679, 0.3109, 0.5914



18.3431, 0.2746, 0.3536



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.



50.6332, 0.2482, 0.4135



75.2653, 0.2485, 0.4144



31.4342, 0.2031, 0.2511



14.0518, 0.3016, 0.3350



30.6204, 0.2478, 0.4121



1.8598, 0.2433, 0.3959

Inverse Universe

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



14.5643, 0.5945, 0.3049



21.6344, 0.5968, 0.3061



16.5746, 0.6127, 0.3517



12.4717, 0.3252, 0.3231



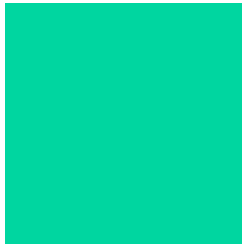
8.8165, 0.5909, 0.3029



0.5452, 0.5410, 0.2754

Previews

White Background



This preview shows how the Yxy color 50.6312, 0.2482, 0.4135 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 50.6312, 0.2482, 0.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

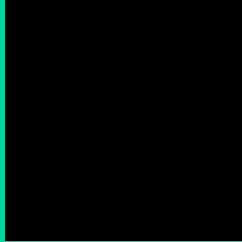
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6312, 0.2482, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 50.6312, 0.2482, 0.4135.



This preview shows how white text looks on a background with the Yxy color 50.6312, 0.2482, 0.4135.

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

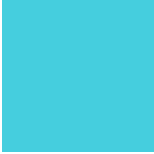
50.6312, 0.2482, 0.4135

Protanopia

49.7893, 0.3553, 0.3797

Deuteranopia

49.4296, 0.3520, 0.3449



Tritanopia

50.6817, 0.2281, 0.3066

Trichromacy



Original Color

50.6312, 0.2482, 0.4135



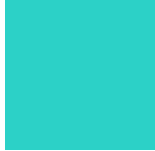
Protanomaly

46.7115, 0.2914, 0.3958



Deuteranomaly

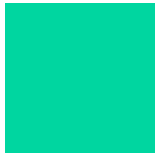
45.5305, 0.2887, 0.3698



Tritanomaly

50.2599, 0.2333, 0.3434

Monochromacy



Original Color

50.6312, 0.2482, 0.4135



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.8533, 0.2652, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6312, 0.2482, 0.4135 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 160) }
```

Border

The CSS property to change the border of an element to Yxy 50.6312, 0.2482, 0.4135 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, 160) }
```

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

```
.border{ border-color:rgb(0, 214, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6312, 0.2482, 0.4135 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, 160) }
```

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

```
.background{ background-color: rgb(0, 214,  
160) }
```

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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