

Converting Colors

$Y_{xy}(50.8051, 0.1972, 0.4277)$

Have a look what the booklet for
Yxy(50.8051, 0.1972, 0.4277)
contains.

Yxy(56.0645, 0.2489, 0.4161)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.0645, 0.2489, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	00E0A6
RGB	0, 224, 166
RGB Percent	0%, 88%, 65%
CMY	1.0000, 0.1215, 0.3490
CMYK	1.00, 0.00, 0.26, 0.12
HSL	164°, 100%, 44%
HSV	164°, 100%, 88%
XYZ	33.5363, 56.0645, 45.1372
YIQ	150.4120, -114.8860, -65.5260

Conversions

Conversions Part 2

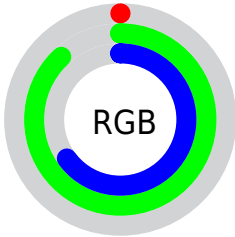
Format	Color
RYB	0, 129, 224
Decimal	57510
CIELab	79.65, -58.97, 15.79
CIELCh	80, 61.048, 165.012
Yxy	56.0645, 0.2489, 0.4161
Android (android.graphics.Color)	4278247590 (0xFF00E0A6)
YUV	150.4120, 7.6849, -131.9113
Hunter-Lab	74.8762, -51.0851, 16.6719

Details

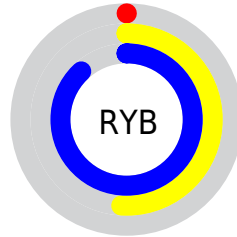
The Yxy color **56.0645, 0.2489, 0.4161** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.1538, 0.5931, 0.3041**, and the grayscale version is **30.6891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9286, 0.2548, 0.3703**, and **28.8523, 0.2542, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **56.0688, 0.2489, 0.4161**, and if you desaturate by 10%, it is **56.4617, 0.2478, 0.4065**.

Distribution



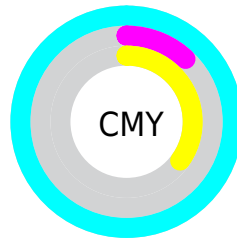
- Red (0%)
- Green (88%)
- Blue (65%)



- Red (0%)
- Yellow (51%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0645, 0.2489, 0.4161 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 56.0645, 0.2489, 0.4161 by changing the saturation by 10% instead.


 56.0645, 0.2489,
0.4161


 56.0645, 0.2489,
0.4161


409.9345, 0.2807,
0.3716


 40.2546, 0.2410,
0.4274


 99.0989, 0.2604,
0.3997

 27.7371, 0.2310,
0.4421


 127.0922, 0.2648,
0.3937

 18.1276, 0.2177,
0.4618


 159.9154, 0.2684,
0.3885

 11.0416, 0.1996,
0.4896

 197.9530, 0.2716,
0.3842

 6.0949, 0.1734,
0.5312

 241.5893, 0.2743,
0.3804

 2.9028, 0.1301,
0.6012

291.2087, 0.2767,

 1.0812, 0.0000,

0.3771

0.9479

347.1957, 0.2789,
0.3742

■ 0.0000, 0.0000,
0.0000

■ 56.0645, 0.2489,
0.4161

■ 56.0645, 0.2489,
0.4161

■ 56.0688, 0.2489,
0.4161

■ 56.4617, 0.2478,
0.4065

■ 57.0673, 0.2484,
0.3967

■ 57.9516, 0.2509,
0.3870

■ 59.1522, 0.2554,
0.3773

■ 60.7007, 0.2618,
0.3680

■ 62.6248, 0.2698,
0.3590

■ 64.9495, 0.2792,
0.3505

■ 67.6974, 0.2897,
0.3427

■ 70.8896, 0.3010,
0.3355

Harmonies

Analogous

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



56.0645, 0.3217, 0.4716



56.0645, 0.2489, 0.4161



56.0645, 0.1973, 0.3299

Triad

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



56.0645, 0.2489, 0.4161



56.0645, 0.2222, 0.2088



56.0645, 0.4712, 0.3677

Complementary

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



56.0645, 0.2489, 0.4161



16.1538, 0.5931, 0.3041

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.



56.0645, 0.4402, 0.3102



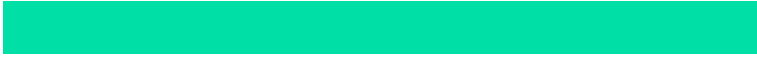
56.0645, 0.2489, 0.4161



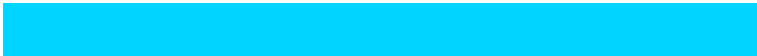
56.0645, 0.2868, 0.2238

Square

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



56.0645, 0.2489, 0.4161



56.0645, 0.1850, 0.2188



56.0645, 0.3685, 0.2596



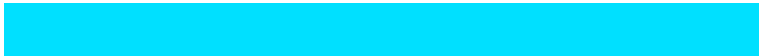
56.0645, 0.4522, 0.4251

Rectangle

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



56.0645, 0.2489, 0.4161



56.0645, 0.1799, 0.2789



56.0645, 0.3685, 0.2596



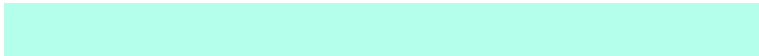
56.0645, 0.4666, 0.3482

Sweetspot

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



56.0688, 0.2489, 0.4161



87.0537, 0.2790, 0.3507



54.2675, 0.3107, 0.5915



18.3362, 0.2749, 0.3542



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.



56.0688, 0.2489, 0.4161



75.1935, 0.2491, 0.4168



34.7879, 0.2030, 0.2508



15.5086, 0.3016, 0.3351



32.6535, 0.2485, 0.4146



2.2777, 0.2444, 0.3997

Inverse Universe

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



16.1538, 0.5931, 0.3041



21.6535, 0.5948, 0.3050



18.3284, 0.6131, 0.3514



13.7585, 0.3252, 0.3230



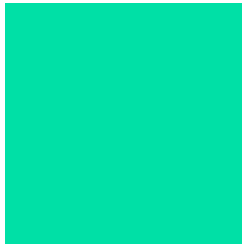
9.4180, 0.5893, 0.3020



0.6673, 0.5453, 0.2777

Previews

White Background



This preview shows how the Yxy color 56.0645, 0.2489, 0.4161 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 56.0645, 0.2489, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

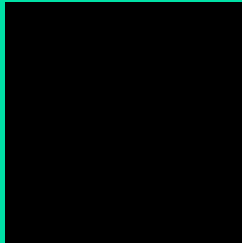
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0645, 0.2489, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 56.0645, 0.2489, 0.4161.

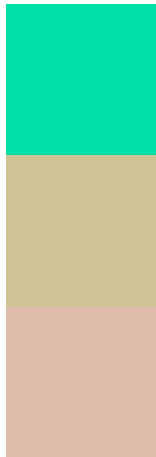


This preview shows how white text looks on a background with the Yxy color 56.0645, 0.2489, 0.4161.

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

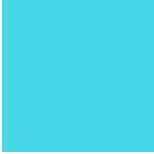
56.0645, 0.2489, 0.4161

Protanopia

54.8525, 0.3577, 0.3812

Deuteranopia

55.1392, 0.3536, 0.3465



Tritanopia

55.8618, 0.2275, 0.3049

Trichromacy



Original Color

56.0645, 0.2489, 0.4161



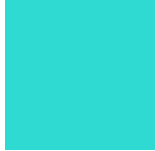
Protanomaly

51.5635, 0.2927, 0.3989



Deuteranomaly

50.9321, 0.2896, 0.3722



Tritanomaly

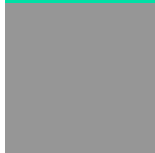
55.3271, 0.2327, 0.3414

Monochromacy



Original Color

56.0645, 0.2489, 0.4161



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

36.2775, 0.2650, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0645, 0.2489, 0.4161 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, 224, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 166)  
}
```

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, 224, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 166) }
```

Border

The CSS property to change the border of an element to Yxy 56.0645, 0.2489, 0.4161 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, 224, 166) }
```

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

```
.border{ border-color:rgb(0, 224, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0645, 0.2489, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 166) }
```

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

```
.background{ background-color: rgb(0, 224,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor