

Converting Colors

$Y_{xy}(56.2490, 0.2398, 0.4021)$

Have a look what the booklet for
Yxy(56.2490, 0.2398, 0.4021)
contains.

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Color

Yxy(56.9850, 0.2448, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	00E1B0
RGB	0, 225, 176
RGB Percent	0%, 88%, 69%
CMY	1.0000, 0.1176, 0.3097
CMYK	1.00, 0.00, 0.22, 0.12
HSL	167°, 100%, 44%
HSV	167°, 100%, 88%
XYZ	34.7618, 56.9850, 50.2542
YIQ	152.1390, -118.3710, -62.9390

Conversions

Conversions Part 2

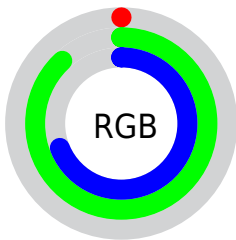
Format	Color
RYB	0, 126, 225
Decimal	57776
CIELab	80.17, -56.96, 11.25
CIELCh	80, 58.064, 168.827
Yxy	56.9850, 0.2448, 0.4013
Android (android.graphics.Color)	4278247856 (0xFF00E1B0)
YUV	152.1390, 11.7635, -133.4259
Hunter-Lab	75.4884, -49.9068, 13.3713

Details

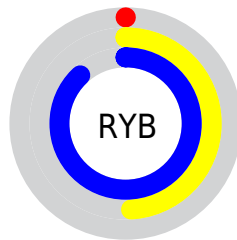
The Yxy color **56.9850, 0.2448, 0.4013** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.2298, 0.6054, 0.3109**, and the grayscale version is **31.4512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5343, 0.2501, 0.3564**, and **29.4353, 0.2493, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **56.9882, 0.2448, 0.4013**, and if you desaturate by 10%, it is **57.3620, 0.2441, 0.3933**.

Distribution



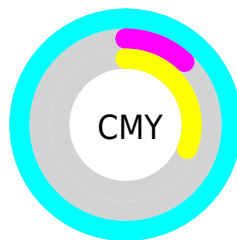
- Red (0%)
- Green (88%)
- Blue (69%)



- Red (0%)
- Yellow (49%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9850, 0.2448, 0.4013 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 56.9850, 0.2448, 0.4013 by changing the saturation by 10% instead.


 56.9850, 0.2448,
0.4013

 56.9850, 0.2448,
0.4013

413.3931, 0.2781,
0.3649


 40.9932, 0.2367,
0.4104

 100.4433, 0.2567,
0.3880

 28.3138, 0.2265,
0.4221


 128.6786, 0.2613,
0.3831


 18.5623, 0.2132,
0.4377


 161.7638, 0.2651,
0.3789

 11.3545, 0.1953,
0.4594

 200.0834, 0.2684,
0.3753

 6.3058, 0.1698,
0.4914

 244.0217, 0.2713,
0.3722

 3.0319, 0.1311,
0.5432

293.9632, 0.2739,

 1.1484, 0.0000,

0.3694

0.7233

350.2922, 0.2761,
0.3670

■ 0.0189, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9850, 0.2448,
0.4013

■ 56.9850, 0.2448,
0.4013

■ 56.9882, 0.2448,
0.4013

■ 57.3620, 0.2441,
0.3933

■ 57.9481, 0.2450,
0.3853

■ 58.8129, 0.2479,
0.3772

■ 59.9945, 0.2527,
0.3693

■ 61.5246, 0.2595,
0.3615

■ 63.4315, 0.2679,
0.3541

■ 65.7400, 0.2777,
0.3470

■ 68.4733, 0.2886,
0.3405

■ 71.6525, 0.3004,
0.3345

Harmonies

Analogous

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



56.9850, 0.3126, 0.4595



56.9850, 0.2448, 0.4013



56.9850, 0.1987, 0.3203

Triad

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



56.9850, 0.2448, 0.4013



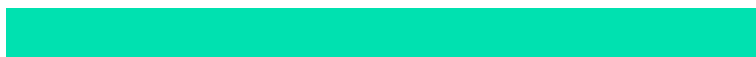
56.9850, 0.2331, 0.2148



56.9850, 0.4633, 0.3741

Complementary

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



56.9850, 0.2448, 0.4013



16.2298, 0.6054, 0.3109

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.



56.9850, 0.4397, 0.3184



56.9850, 0.2448, 0.4013



56.9850, 0.2977, 0.2319

Square

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



56.9850, 0.2448, 0.4013



56.9850, 0.1938, 0.2214



56.9850, 0.3755, 0.2685



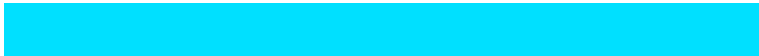
56.9850, 0.4405, 0.4277

Rectangle

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



56.9850, 0.2448, 0.4013



56.9850, 0.1843, 0.2742



56.9850, 0.3755, 0.2685



56.9850, 0.4608, 0.3553

Sweetspot

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



56.9882, 0.2448, 0.4013



87.2378, 0.2775, 0.3472



54.5960, 0.3083, 0.5934



18.3805, 0.2731, 0.3501



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.



56.9882, 0.2448, 0.4013



75.6665, 0.2450, 0.4018



32.3478, 0.1997, 0.2388



15.5186, 0.3011, 0.3342



32.8559, 0.2445, 0.4001



2.2902, 0.2410, 0.3877

Inverse Universe

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



16.2298, 0.6054, 0.3109



21.5407, 0.6069, 0.3117



19.2400, 0.6061, 0.3570



13.7491, 0.3258, 0.3239



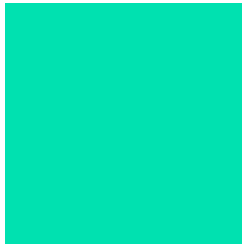
9.3662, 0.6019, 0.3089



0.6625, 0.5588, 0.2852

Previews

White Background



This preview shows how the Yxy color 56.9850, 0.2448, 0.4013 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 56.9850, 0.2448, 0.4013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

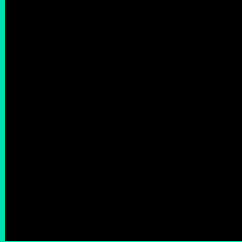
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

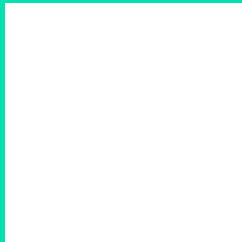
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9850, 0.2448, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 56.9850, 0.2448, 0.4013.

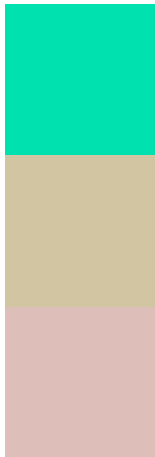


This preview shows how white text looks on a background with the Yxy color 56.9850, 0.2448, 0.4013.

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

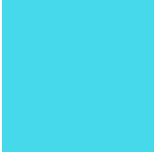
56.9850, 0.2448, 0.4013

Protanopia

56.0964, 0.3493, 0.3712

Deuteranopia

55.6598, 0.3434, 0.3360



Tritanopia

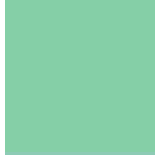
56.8891, 0.2266, 0.3050

Trichromacy



Original Color

56.9850, 0.2448, 0.4013



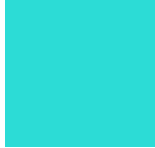
Protanomaly

52.4022, 0.2865, 0.3854



Deuteranomaly

51.7108, 0.2826, 0.3592



Tritanomaly

56.5769, 0.2310, 0.3371

Monochromacy



Original Color

56.9850, 0.2448, 0.4013



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.3548, 0.2635, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9850, 0.2448, 0.4013 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, 225, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 176)  
}
```

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, 225, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 176) }
```

Border

The CSS property to change the border of an element to Yxy 56.9850, 0.2448, 0.4013 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, 225, 176) }
```

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

```
.border{ border-color:rgb(0, 225, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9850, 0.2448, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 176) }
```

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

```
.background{ background-color: rgb(0, 225,  
176) }
```

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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