

Converting Colors

$Y_{xy}(40.9910, 0.1521, 0.3863)$

Have a look what the booklet for
Yxy(40.9910, 0.1521, 0.3863)
contains.

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Color

Yxy(48.3261, 0.2376, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	00D0B2
RGB	0, 208, 178
RGB Percent	0%, 82%, 70%
CMY	0.9992, 0.1843, 0.3019
CMYK	1.00, 0.00, 0.14, 0.18
HSL	171°, 100%, 41%
HSV	171°, 100%, 82%
XYZ	30.5949, 48.3261, 49.8455
YIQ	142.3880, -114.3380, -53.4260

Conversions

Conversions Part 2

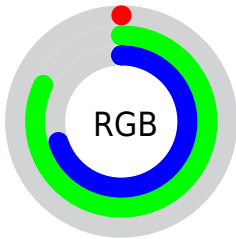
Format	Color
RYB	0, 112, 208
Decimal	53426
CIELab	75.03, -49.70, 2.81
CIELCh	75, 49.782, 176.767
Yxy	48.3261, 0.2376, 0.3753
Android (android.graphics.Color)	4278243506 (0xFF00D0B2)
YUV	142.3880, 17.5567, -124.8743
Hunter-Lab	69.5170, -43.0955, 6.1494

Details

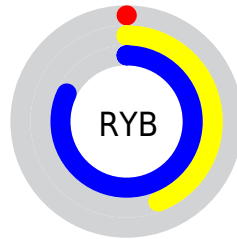
The Yxy color **48.3261, 0.2376, 0.3753** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **13.5088, 0.6217, 0.3199**, and the grayscale version is **27.2008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4638, 0.2483, 0.3540**, and **23.9371, 0.2404, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **48.3255, 0.2376, 0.3754**, and if you desaturate by 10%, it is **48.6080, 0.2377, 0.3703**.

Distribution



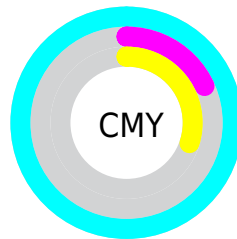
- Red (0%)
- Green (82%)
- Blue (70%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3261, 0.2376, 0.3753 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 48.3261, 0.2376, 0.3753 by changing the saturation by 10% instead.


 48.3261, 0.2376,
0.3753


 48.3261, 0.2376,
0.3753


380.0833, 0.2747,
0.3521


 34.0852, 0.2285,
0.3811


 87.6897, 0.2510,
0.3669

 22.9591, 0.2170,
0.3885


 113.5813, 0.2560,
0.3637

 14.5633, 0.2019,
0.3982


 144.1251, 0.2603,
0.3610

 8.5135, 0.1815,
0.4117

 179.7057, 0.2640,
0.3588

 4.4252, 0.1524,
0.4315

 220.7074, 0.2672,
0.3568

 1.9142, 0.0908,
0.4720

267.5147, 0.2700,

 0.5569, 0.0000,

0.3550

0.5759

320.5118, 0.2725,
0.3535

■ 0.0000, 0.0000,
0.0000

■ 48.3261, 0.2376,
0.3753

■ 48.3261, 0.2376,
0.3753

■ 48.3255, 0.2376,
0.3754

■ 48.6080, 0.2377,
0.3703

■ 49.0611, 0.2393,
0.3652

■ 49.7440, 0.2429,
0.3601

■ 50.6875, 0.2483,
0.3550

■ 51.9179, 0.2556,
0.3500

■ 53.4581, 0.2647,
0.3453

■ 55.3289, 0.2752,
0.3407

■ 57.5490, 0.2869,
0.3365

■ 60.1359, 0.2996,
0.3325

Harmonies

Analogous

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



48.3261, 0.2961, 0.4361



48.3261, 0.2376, 0.3753



48.3261, 0.2015, 0.3041

Triad

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



48.3261, 0.2376, 0.3753



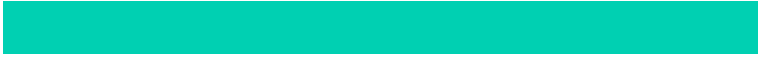
48.3261, 0.2538, 0.2261



48.3261, 0.4482, 0.3854

Complementary

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



48.3261, 0.2376, 0.3753



13.5088, 0.6217, 0.3199

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.



48.3261, 0.4376, 0.3337



48.3261, 0.2376, 0.3753



48.3261, 0.3178, 0.2471

Square

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



48.3261, 0.2376, 0.3753



48.3261, 0.2107, 0.2265



48.3261, 0.3875, 0.2851



48.3261, 0.4188, 0.4313

Rectangle

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



48.3261, 0.2376, 0.3753



48.3261, 0.1927, 0.2663



48.3261, 0.3875, 0.2851



48.3261, 0.4494, 0.3683

Sweetspot

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



48.3280, 0.2376, 0.3753



87.5737, 0.2747, 0.3409



45.4090, 0.3040, 0.5968



18.4617, 0.2701, 0.3428



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.



48.3280, 0.2376, 0.3753



76.5931, 0.2378, 0.3759



21.9587, 0.1915, 0.2093



13.3765, 0.3002, 0.3324



30.1304, 0.2374, 0.3746



1.6929, 0.2348, 0.3653

Inverse Universe

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



13.5088, 0.6217, 0.3199



21.3922, 0.6239, 0.3210



18.1662, 0.5845, 0.3740



11.8356, 0.3268, 0.3257



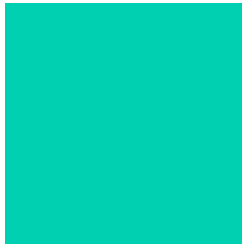
8.4249, 0.6193, 0.3186



0.4802, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 48.3261, 0.2376, 0.3753 looks on a white background.

Color Contrast Check

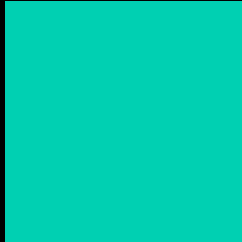
Large Text (above 18pt) WCAG AA × Fail

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 48.3261, 0.2376, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

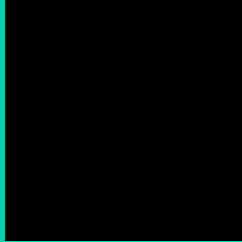
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

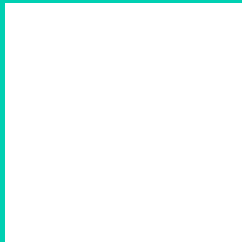
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3261, 0.2376, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 48.3261, 0.2376, 0.3753.

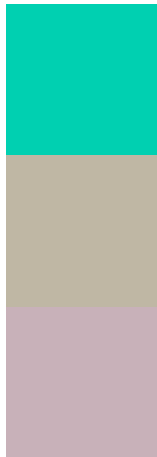


This preview shows how white text looks on a background with the Yxy color 48.3261, 0.2376, 0.3753.

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

48.3261, 0.2376, 0.3753

Protanopia

47.6237, 0.3350, 0.3536

Deuteranopia

47.2264, 0.3264, 0.3191



Tritanopia

48.2551, 0.2251, 0.3047

Trichromacy



Original Color

48.3261, 0.2376, 0.3753



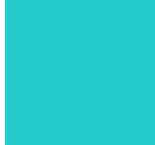
Protanomaly

44.7014, 0.2765, 0.3631



Deuteranomaly

43.8559, 0.2708, 0.3376



Tritanomaly

47.9387, 0.2281, 0.3288

Monochromacy



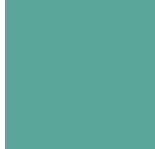
Original Color

48.3261, 0.2376, 0.3753



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.8127, 0.2598, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3261, 0.2376, 0.3753 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, 208, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 178)  
}
```

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, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 178) }
```

Border

The CSS property to change the border of an element to Yxy 48.3261, 0.2376, 0.3753 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, 208, 178) }
```

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

```
.border{ border-color:rgb(0, 208, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3261, 0.2376, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 178) }
```

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

```
.background{ background-color: rgb(0, 208,  
178) }
```

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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