

Converting Colors

$Y_{xy}(50.5027, 0.2351, 0.3664)$

Have a look what the booklet for
Yxy(50.5027, 0.2351, 0.3664)
contains.

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Color

Yxy(50.6748, 0.2351, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	00D4BB
RGB	0, 212, 187
RGB Percent	0%, 83%, 73%
CMY	1.0000, 0.1686, 0.2666
CMYK	1.00, 0.00, 0.12, 0.17
HSL	173°, 100%, 42%
HSV	173°, 100%, 83%
XYZ	32.5065, 50.6748, 55.0855
YIQ	145.7620, -118.3270, -52.7190

Conversions

Conversions Part 2

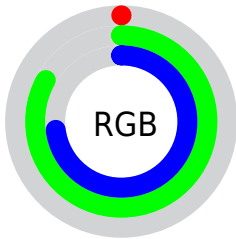
Format	Color
RYB	0, 113, 212
Decimal	54459
CIELab	76.48, -48.97, 0.09
CIELCh	76, 48.966, 179.898
Yxy	50.6748, 0.2351, 0.3665
Android (android.graphics.Color)	4278244539 (0xFF00D4BB)
YUV	145.7620, 20.3303, -127.8333
Hunter-Lab	71.1862, -43.0655, 3.9504

Details

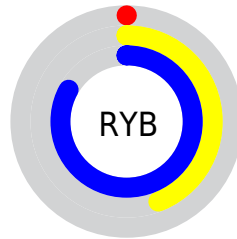
The Yxy color **50.6748, 0.2351, 0.3665** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.0691, 0.6269, 0.3227**, and the grayscale version is **28.5970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0552, 0.2449, 0.3430**, and **25.4982, 0.2370, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **50.6815, 0.2351, 0.3665**, and if you desaturate by 10%, it is **50.9511, 0.2355, 0.3624**.

Distribution



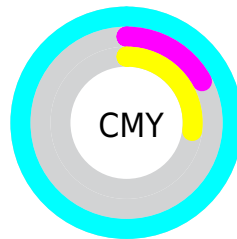
- Red (0%)
- Green (83%)
- Blue (73%)



- Red (0%)
- Yellow (44%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6748, 0.2351, 0.3665 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 50.6748, 0.2351, 0.3665 by changing the saturation by 10% instead.


 50.6748, 0.2351,
0.3665


 50.6748, 0.2351,
0.3665


389.2990, 0.2729,
0.3482

 35.9499, 0.2260,
0.3709


 91.1739, 0.2486,
0.3600


 24.3955, 0.2145,
0.3764


 117.7168, 0.2537,
0.3575


 15.6272, 0.1997,
0.3836


 148.9679, 0.2581,
0.3554

 9.2608, 0.1798,
0.3933

 185.3115, 0.2619,
0.3536

 4.9117, 0.1520,
0.4067

 227.1320, 0.2652,
0.3520

 2.1955, 0.1054,
0.4293

274.8138, 0.2681,

 0.7176, 0.0000,

0.3506

0.4807

328.7414, 0.2706,
0.3493

■ 0.0000, 0.0000,
0.0000

■ 50.6748, 0.2351,
0.3665

■ 50.6748, 0.2351,
0.3665

■ 50.6815, 0.2351,
0.3665

■ 50.9511, 0.2355,
0.3624

■ 51.4002, 0.2373,
0.3584

■ 52.0880, 0.2409,
0.3542

■ 53.0471, 0.2466,
0.3501

■ 54.3051, 0.2541,
0.3461

■ 55.8860, 0.2633,
0.3423

■ 57.8115, 0.2741,
0.3386

■ 60.1015, 0.2861,
0.3351

■ 62.7740, 0.2991,
0.3319

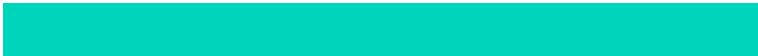
Harmonies

Analogous

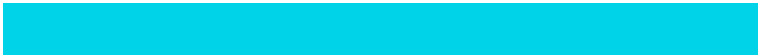
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.6748, 0.2902, 0.4278



50.6748, 0.2351, 0.3665



50.6748, 0.2026, 0.2987

Triad

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



50.6748, 0.2351, 0.3665



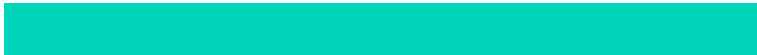
50.6748, 0.2614, 0.2301



50.6748, 0.4428, 0.3894

Complementary

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



50.6748, 0.2351, 0.3665



14.0691, 0.6269, 0.3227

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.



50.6748, 0.4366, 0.3391



50.6748, 0.2351, 0.3665



50.6748, 0.3249, 0.2525

Square

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



50.6748, 0.2351, 0.3665



50.6748, 0.2168, 0.2282



50.6748, 0.3916, 0.2910



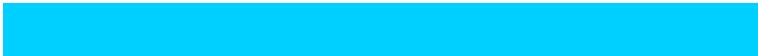
50.6748, 0.4111, 0.4323

Rectangle

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



50.6748, 0.2351, 0.3665



50.6748, 0.1957, 0.2637



50.6748, 0.3916, 0.2910



50.6748, 0.4453, 0.3728

Sweetspot

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



50.6815, 0.2351, 0.3665



87.6967, 0.2737, 0.3387



47.3439, 0.3033, 0.5974



18.4915, 0.2690, 0.3402



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.



50.6815, 0.2351, 0.3665



76.9522, 0.2353, 0.3669



21.8803, 0.1897, 0.2030



14.0815, 0.2998, 0.3317



31.2938, 0.2350, 0.3659



1.8948, 0.2330, 0.3589

Inverse Universe

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



14.0691, 0.6269, 0.3227



21.3541, 0.6284, 0.3236



19.4105, 0.5805, 0.3773



12.4444, 0.3273, 0.3263



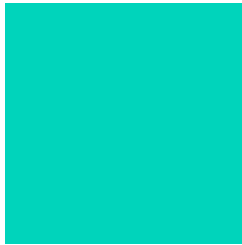
8.6921, 0.6247, 0.3215



0.5324, 0.5883, 0.3014

Previews

White Background



This preview shows how the Yxy color 50.6748, 0.2351, 0.3665 looks on a white background.

Color Contrast Check

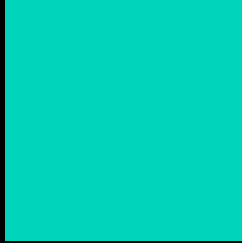
Large Text (above 18pt) WCAG AA × Fail

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 50.6748, 0.2351, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

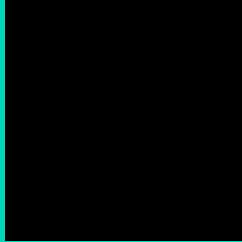
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

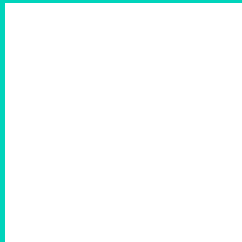
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6748, 0.2351, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 50.6748, 0.2351, 0.3665.

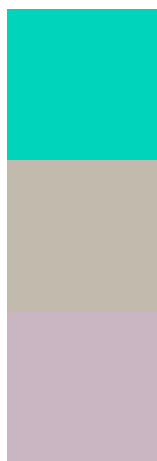


This preview shows how white text looks on a background with the Yxy color 50.6748, 0.2351, 0.3665.

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

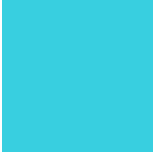
50.6748, 0.2351, 0.3665

Protanopia

49.6043, 0.3298, 0.3455

Deuteranopia

49.4993, 0.3203, 0.3132



Tritanopia

50.8482, 0.2245, 0.3052

Trichromacy



Original Color

50.6748, 0.2351, 0.3665



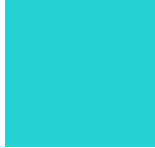
Protanomaly

46.4555, 0.2719, 0.3536



Deuteranomaly

46.1280, 0.2671, 0.3303



Tritanomaly

50.6791, 0.2269, 0.3259

Monochromacy



Original Color

50.6748, 0.2351, 0.3665



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.6498, 0.2588, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6748, 0.2351, 0.3665 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, 212, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 187)  
}
```

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, 212, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 187) }
```

Border

The CSS property to change the border of an element to Yxy 50.6748, 0.2351, 0.3665 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, 212, 187) }
```

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

```
.border{ border-color:rgb(0, 212, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 212, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6748, 0.2351, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 187) }
```

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

```
.background{ background-color: rgb(0, 212,  
187) }
```

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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