

Converting Colors

$Yxy(48.6454, 0.2359, 0.3527)$

Have a look what the booklet for
Yxy(48.6454, 0.2359, 0.3527)
contains.

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Color

Yxy(48.9008, 0.2360, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	2BCFBF
RGB	43, 207, 191
RGB Percent	17%, 81%, 75%
CMY	0.8313, 0.1882, 0.2510
CMYK	0.79, 0.00, 0.08, 0.19
HSL	174°, 66%, 49%
HSV	174°, 79%, 81%
XYZ	32.7114, 48.9008, 56.9955
YIQ	156.1400, -92.6080, -39.7440

Conversions

Conversions Part 2

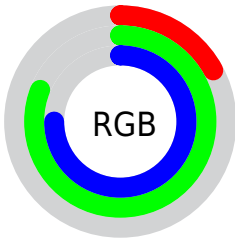
Format	Color
RYB	43, 129, 207
Decimal	2871231
CIELab	75.39, -43.53, -3.62
CIELCh	75, 43.676, 184.749
Yxy	48.9008, 0.2360, 0.3528
Android (android.graphics.Color)	4281061311 (0xFF2BCFBF)
YUV	156.1400, 17.1860, -99.2238
Hunter-Lab	69.9291, -38.8773, 0.6263

Details

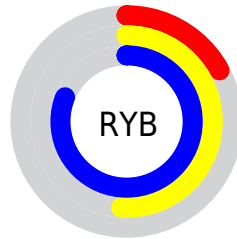
The Yxy color **48.9008, 0.2360, 0.3528** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.3103, 0.5664, 0.3167**, and the grayscale version is **33.2653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0870, 0.2472, 0.3381**, and **24.2915, 0.2326, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **48.4746, 0.2339, 0.3561**, and if you desaturate by 10%, it is **49.5588, 0.2400, 0.3494**.

Distribution



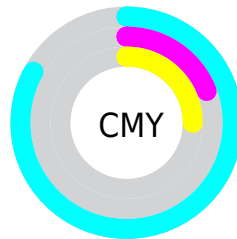
- Red (17%)
- Green (81%)
- Blue (75%)



- Red (17%)
- Yellow (51%)
- Blue (81%)



- Cyan (79%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)





- Cyan (83%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9008, 0.2360, 0.3528 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 48.9008, 0.2360, 0.3528 by changing the saturation by 10% instead.

 48.9008, 0.2360,
0.3528


 48.9008, 0.2360,
0.3528


382.3517, 0.2734,
0.3416


 34.5408, 0.2270,
0.3554


 88.5441, 0.2494,
0.3489


 23.3094, 0.2157,
0.3585

 114.5962, 0.2544,
0.3474


 14.8221, 0.2010,
0.3625


 145.3144, 0.2588,
0.3461

 8.6946, 0.1812,
0.3675

 181.0832, 0.2625,
0.3449

 4.5425, 0.1536,
0.3740

 222.2869, 0.2658,
0.3440

 1.9814, 0.1080,
0.3842

269.3100, 0.2686,

 0.5967, 0.0000,

0.3431

0.3980

322.5368, 0.2712,
0.3423

■ 0.0000, 0.0000,
0.0000

■ 48.9008, 0.2360,
0.3528

■ 48.9008, 0.2360,
0.3528

■ 48.4746, 0.2339,
0.3561

■ 49.5588, 0.2400,
0.3494

■ 48.2237, 0.2333,
0.3594

■ 50.4731, 0.2459,
0.3461

■ 48.2066, 0.2333,
0.3597

■ 51.6713, 0.2537,
0.3428

■ 53.1760, 0.2632,
0.3397

■ 55.0072, 0.2743,
0.3367

■ 57.1837, 0.2866,
0.3338

■ 59.7224, 0.2999,
0.3312

■ 62.6394, 0.3138,
0.3288

■ 65.9497, 0.3282,
0.3267

Harmonies

Analogous

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



48.9008, 0.2839, 0.4101



48.9008, 0.2360, 0.3528



48.9008, 0.2096, 0.2937

Triad

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



48.9008, 0.2360, 0.3528



48.9008, 0.2748, 0.2405



48.9008, 0.4282, 0.3922

Complementary

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



48.9008, 0.2360, 0.3528



15.3103, 0.5664, 0.3167

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.



48.9008, 0.4280, 0.3467



48.9008, 0.2360, 0.3528



48.9008, 0.3342, 0.2640

Square

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



48.9008, 0.2360, 0.3528



48.9008, 0.2304, 0.2358



48.9008, 0.3924, 0.3015



48.9008, 0.3955, 0.4278

Rectangle

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



48.9008, 0.2360, 0.3528



48.9008, 0.2058, 0.2640



48.9008, 0.3924, 0.3015



48.9008, 0.4322, 0.3775

Sweetspot

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



48.9027, 0.2360, 0.3528



89.8038, 0.2802, 0.3352



45.7447, 0.3067, 0.5708



18.9607, 0.2758, 0.3363



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.



48.9027, 0.2360, 0.3528



77.3922, 0.2334, 0.3584



24.1884, 0.2012, 0.2228



13.3864, 0.2996, 0.3313



30.3786, 0.2331, 0.3592



1.7045, 0.2314, 0.3531

Inverse Universe

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



15.3103, 0.5664, 0.3167



21.6714, 0.6219, 0.3231



24.2939, 0.5163, 0.3970



11.8267, 0.3275, 0.3268



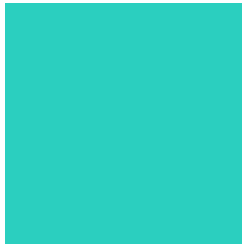
8.3965, 0.6279, 0.3233



0.4760, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 48.9008, 0.2360, 0.3528 looks on a white background.

Color Contrast Check

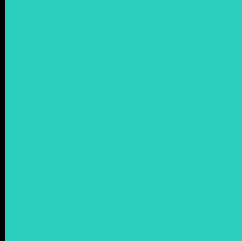
Large Text (above 18pt) WCAG AA × Fail

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 48.9008, 0.2360, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

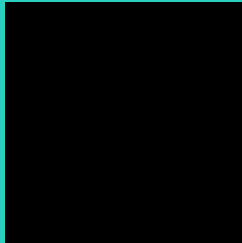
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

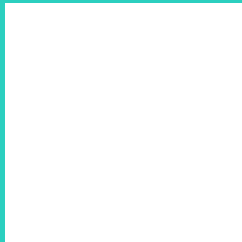
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9008, 0.2360, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 48.9008, 0.2360, 0.3528.

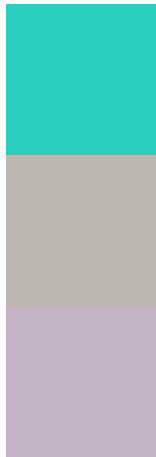


This preview shows how white text looks on a background with the Yxy color 48.9008, 0.2360, 0.3528.

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

48.9008, 0.2360, 0.3528

Protanopia

47.8601, 0.3226, 0.3367

Deuteranopia

48.0072, 0.3129, 0.3068



Tritanopia

48.9163, 0.2270, 0.3063

Trichromacy



Original Color

48.9008, 0.2360, 0.3528



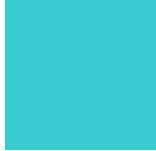
Protanomaly

46.3109, 0.2774, 0.3431



Deuteranomaly

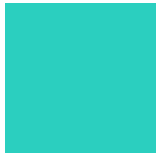
45.9108, 0.2714, 0.3206



Tritanomaly

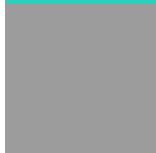
48.6299, 0.2297, 0.3215

Monochromacy



Original Color

48.9008, 0.2360, 0.3528



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.1694, 0.2690, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9008, 0.2360, 0.3528 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(43, 207, 191)` looks like.

```
.text, #text, p{  
    color:rgb(43, 207, 191)  
}
```

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(43, 207, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 207, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.9008, 0.2360, 0.3528 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(43, 207, 191) }
```

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

```
.border{ border-color:rgb(43, 207, 191) }
```

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

Here you see how a box with a 4 pixel rgb(43, 207, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 207, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 207, 191);  
box-shadow:4px 4px 4px 4px rgb(43, 207,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9008, 0.2360, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 207, 191) }
```

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

```
.background{ background-color: rgb(43, 207,  
191) }
```

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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