

# Converting Colors

$Yxy(49.4107, 0.2368, 0.3541)$

Have a look what the booklet for  
Yxy(49.4107, 0.2368, 0.3541)  
contains.

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# Color

**Yxy(49.4312, 0.2368, 0.3542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DD0BF
RGB	45, 208, 191
RGB Percent	18%, 82%, 75%
CMY	0.8227, 0.1843, 0.2510
CMYK	0.78, 0.00, 0.08, 0.18
HSL	174°, 64%, 50%
HSV	174°, 78%, 82%
XYZ	33.0472, 49.4312, 57.0789
YIQ	157.3250, -91.6910, -39.8430

# Conversions

## Conversions Part 2

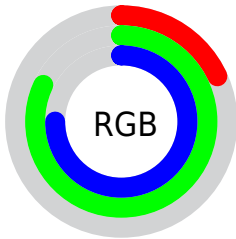
Format	Color
<a href="#">RYB</a>	<a href="#">45, 131, 208</a>
Decimal	<a href="#">3002559</a>
CIELab	<a href="#">75.72, -43.75, -3.13</a>
CIELCh	<a href="#">76, 43.862, 184.089</a>
Yxy	<a href="#">49.4312, 0.2368, 0.3542</a>
Android (android.graphics.Color)	<a href="#">4281192639</a> ( <a href="#">0xFF2DD0BF</a> )
YUV	<a href="#">157.3250, 16.6018, -98.5090</a>
Hunter-Lab	<a href="#">70.3073, -39.1359, 1.0806</a>

# Details

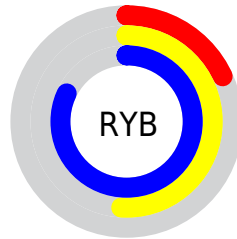
The Yxy color **49.4312, 0.2368, 0.3542** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **15.6530, 0.5608, 0.3154**, and the grayscale version is **33.8541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1573, 0.2476, 0.3381**, and **24.6174, 0.2331, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **48.9746, 0.2346, 0.3578**, and if you desaturate by 10%, it is **50.1255, 0.2409, 0.3506**.

# Distribution



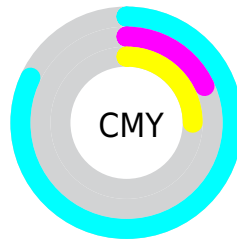
- Red (18%)
- Green (82%)
- Blue (75%)



- Red (18%)
- Yellow (51%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4312, 0.2368, 0.3542 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 49.4312, 0.2368, 0.3542 by changing the saturation by 10% instead.





 49.4312, 0.2368,  
0.3542


 49.4312, 0.2368,  
0.3542


384.4374, 0.2738,  
0.3423

 34.9617, 0.2279,  
0.3570


 89.3315, 0.2500,  
0.3500


 23.6333, 0.2167,  
0.3604


 115.5311, 0.2550,  
0.3484

 15.0619, 0.2022,  
0.3647


 146.4095, 0.2593,  
0.3470

 8.8628, 0.1827,  
0.3702

 182.3511, 0.2630,  
0.3458

 4.6518, 0.1555,  
0.3775

 223.7403, 0.2662,  
0.3448

 2.0444, 0.1114,  
0.3886

270.9615, 0.2691,

 0.6331, 0.0000,

0.3438

0.4108

324.3991, 0.2716,  
0.3430

■ 0.0000, 0.0000,  
0.0000

■ 49.4312, 0.2368,  
0.3542

■ 49.4312, 0.2368,  
0.3542

■ 48.9746, 0.2346,  
0.3578

■ 50.1255, 0.2409,  
0.3506

■ 48.7050, 0.2339,  
0.3614


■ 51.0819, 0.2470,  
0.3470

■ 48.6655, 0.2339,  
0.3620


■ 52.3279, 0.2549,  
0.3435


■ 53.8860, 0.2645,  
0.3401

■ 55.7765, 0.2756,  
0.3369

 58.0180, 0.2880,  
0.3339

 60.6277, 0.3012,  
0.3311

 63.6217, 0.3152,  
0.3286

 67.0150, 0.3295,  
0.3263

# Harmonies

## Analogous

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



49.4312, 0.2851, 0.4111



49.4312, 0.2368, 0.3542



49.4312, 0.2099, 0.2949

# Triad

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



49.4312, 0.2368, 0.3542



49.4312, 0.2736, 0.2402



49.4312, 0.4286, 0.3913

# Complementary

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



49.4312, 0.2368, 0.3542



15.6530, 0.5608, 0.3154

# 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.



49.4312, 0.4277, 0.3456



49.4312, 0.2368, 0.3542



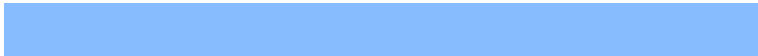
49.4312, 0.3328, 0.2632

# Square

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



49.4312, 0.2368, 0.3542



49.4312, 0.2296, 0.2359



49.4312, 0.3913, 0.3005



49.4312, 0.3966, 0.4273



# Rectangle

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



49.4312, 0.2368, 0.3542



49.4312, 0.2057, 0.2648



49.4312, 0.3913, 0.3005



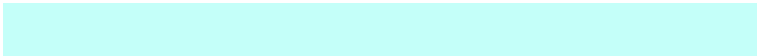
49.4312, 0.4324, 0.3765

# Sweetspot

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



49.4331, 0.2368, 0.3542



90.1342, 0.2817, 0.3354



46.3975, 0.3080, 0.5680



19.0226, 0.2772, 0.3365



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.



49.4331, 0.2368, 0.3542



77.3344, 0.2340, 0.3602



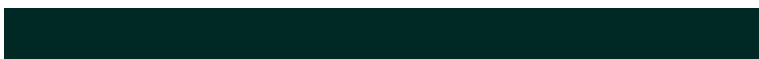
25.5505, 0.2033, 0.2288



13.3849, 0.2997, 0.3314



30.3411, 0.2337, 0.3615



1.7028, 0.2319, 0.3549



# Inverse Universe

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



15.6530, 0.5608, 0.3154



21.7658, 0.6183, 0.3219



24.2447, 0.5167, 0.3938



11.8280, 0.3274, 0.3266



8.4001, 0.6268, 0.3227

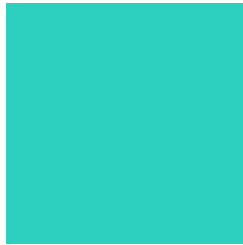


0.4767, 0.5915, 0.3032



# Previews

## White Background



This preview shows how the Yxy color 49.4312, 0.2368, 0.3542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

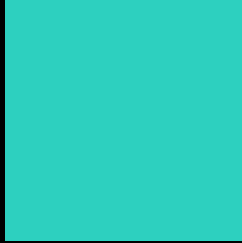
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4312, 0.2368, 0.3542 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

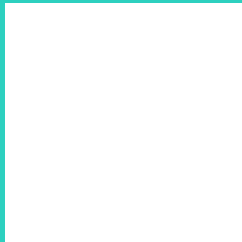
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4312, 0.2368, 0.3542**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.4312, 0.2368, 0.3542.

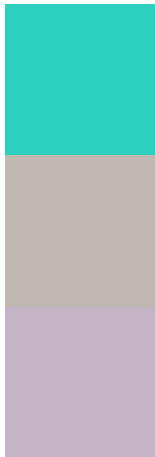


This preview shows how white text looks on a background with the Yxy color 49.4312, 0.2368, 0.3542.

# 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

49.4312, 0.2368, 0.3542

### Protanopia

48.4025, 0.3234, 0.3380

### Deuteranopia

48.5441, 0.3137, 0.3081



## Tritanopia

49.5113, 0.2275, 0.3064

# Trichromacy



## Original Color

49.4312, 0.2368, 0.3542



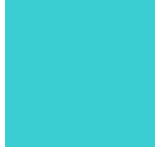
## Protanomaly

46.8357, 0.2782, 0.3445



## Deuteranomaly

46.5178, 0.2729, 0.3220



## Tritanomaly

49.1656, 0.2305, 0.3230

# Monochromacy



## Original Color

49.4312, 0.2368, 0.3542



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

37.6282, 0.2699, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4312, 0.2368, 0.3542 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(45, 208, 191)` looks like.

```
.text, #text, p{  
    color:rgb(45, 208, 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(45, 208, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 208, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4312, 0.2368, 0.3542 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(45, 208, 191) }
```

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

```
.border{ border-color:rgb(45, 208, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 208, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 208, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 208, 191);  
box-shadow:4px 4px 4px 4px rgb(45, 208,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4312, 0.2368, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 208, 191) }
```

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

```
.background{ background-color: rgb(45, 208,  
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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