

# Converting Colors

$Y_{xy}(57.1780, 0.2414, 0.3572)$

Have a look what the booklet for  
Yxy(57.1780, 0.2414, 0.3572)  
contains.

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# Color

**Yxy(57.0538, 0.2413, 0.3569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41DDC9
RGB	65, 221, 201
RGB Percent	25%, 87%, 79%
CMY	0.7454, 0.1333, 0.2118
CMYK	0.71, 0.00, 0.09, 0.13
HSL	172°, 70%, 56%
HSV	172°, 71%, 87%
XYZ	38.5741, 57.0538, 64.2315
YIQ	172.0760, -86.5560, -39.2920

# Conversions

## Conversions Part 2

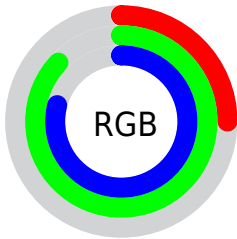
Format	Color
R <sub>YB</sub>	65, 148, 221
Decimal	4316617
CIE Lab	80.21, -44.51, -1.86
CIE LCh	80, 44.548, 182.389
Yxy	57.0538, 0.2413, 0.3569
Android (android.graphics.Color)	4282506697 (0xFF41DDC9)
YUV	172.0760, 14.2595, -93.9057
Hunter-Lab	75.5340, -41.0272, 2.4556

# Details

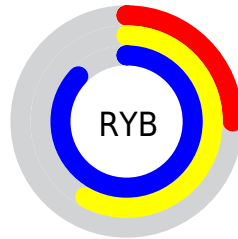
The Yxy color **57.0538, 0.2413, 0.3569** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.8008, 0.5227, 0.3104**, and the grayscale version is **41.2450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **29.0169, 0.2341, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **56.3123, 0.2379, 0.3614**, and if you desaturate by 10%, it is **58.0969, 0.2467, 0.3524**.

# Distribution



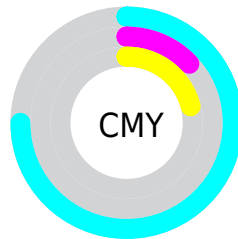
- Red (25%)
- Green (87%)
- Blue (79%)



- Red (25%)
- Yellow (58%)
- Blue (87%)



- Cyan (71%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)



- Cyan (75%)
- Magenta (13%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0538, 0.2413, 0.3569 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 57.0538, 0.2413, 0.3569 by changing the saturation by 10% instead.




 57.0538, 0.2413,  
0.3569


 57.0538, 0.2413,  
0.3569

413.6509, 0.2754,  
0.3438

 41.0484, 0.2333,  
0.3599

 100.5437, 0.2533,  
0.3523

 28.3569, 0.2233,  
0.3637


 128.7970, 0.2579,  
0.3505

 18.5949, 0.2106,  
0.3684


 161.9017, 0.2619,  
0.3490

 11.3779, 0.1937,  
0.3746

 200.2423, 0.2653,  
0.3477

 6.3216, 0.1704,  
0.3829

244.2031, 0.2683,  
0.3465

 3.0416, 0.1369,  
0.3943

294.1686, 0.2709,

 1.1535, 0.0000,

0.3455

0.4487

350.5230, 0.2733,  
0.3446

■ 0.0232, 0.0000,  
0.1303

■ 0.0000, 0.0000,  
0.0000

■ 57.0538, 0.2413,  
0.3569

■ 57.0538, 0.2413,  
0.3569

■ 56.3123, 0.2379,  
0.3614

■ 58.0969, 0.2467,  
0.3524

■ 55.8292, 0.2363,  
0.3659

■ 59.4658, 0.2540,  
0.3480


■ 55.5534, 0.2361,  
0.3701


■ 61.1897, 0.2631,  
0.3438

■ 63.2926, 0.2736,  
0.3397

 65.7967, 0.2855,  
0.3359

 68.7222, 0.2983,  
0.3324

 72.0880, 0.3119,  
0.3292

 75.9120, 0.3258,  
0.3263

 78.4967, 0.3335,  
0.3236

# Harmonies

## Analogous

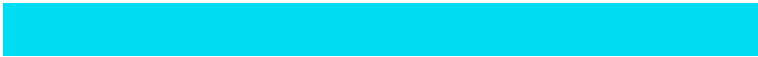
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.0538, 0.2892, 0.4107



57.0538, 0.2413, 0.3569



57.0538, 0.2137, 0.2990

# Triad

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



57.0538, 0.2413, 0.3569



57.0538, 0.2719, 0.2419



57.0538, 0.4260, 0.3874

# Complementary

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



57.0538, 0.2413, 0.3569



19.8008, 0.5227, 0.3104

# 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.



57.0538, 0.4229, 0.3429



57.0538, 0.2413, 0.3569



57.0538, 0.3289, 0.2634

# Square

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



57.0538, 0.2413, 0.3569



57.0538, 0.2302, 0.2390



57.0538, 0.3860, 0.2991



57.0538, 0.3966, 0.4230

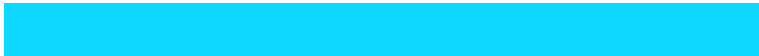


# Rectangle

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



57.0538, 0.2413, 0.3569



57.0538, 0.2086, 0.2690



57.0538, 0.3860, 0.2991



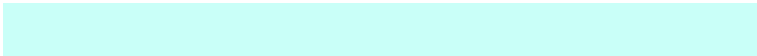
57.0538, 0.4289, 0.3730

# Sweetspot

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



57.0560, 0.2413, 0.3569



90.7855, 0.2848, 0.3361



54.0648, 0.3109, 0.5489



19.2151, 0.2814, 0.3372



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.



57.0560, 0.2413, 0.3569



77.4940, 0.2368, 0.3637



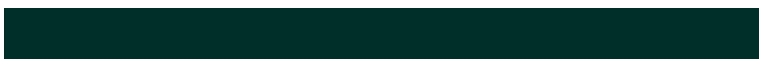
32.8142, 0.2116, 0.2439



14.7993, 0.2999, 0.3320



32.2804, 0.2359, 0.3694



2.0995, 0.2339, 0.3621



# Inverse Universe

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



19.8008, 0.5227, 0.3104



23.0562, 0.5854, 0.3144



29.7121, 0.4954, 0.3899



13.0786, 0.3272, 0.3260



8.9888, 0.6229, 0.3205

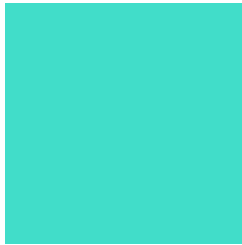


0.5914, 0.5865, 0.3005



# Previews

## White Background



This preview shows how the Yxy color 57.0538, 0.2413, 0.3569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

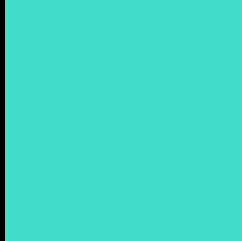
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.0538, 0.2413, 0.3569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

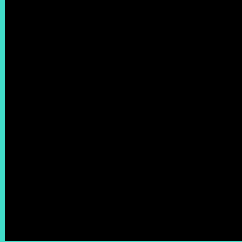
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

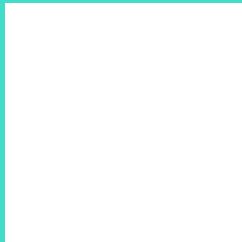
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.0538, 0.2413, 0.3569**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.0538, 0.2413, 0.3569.

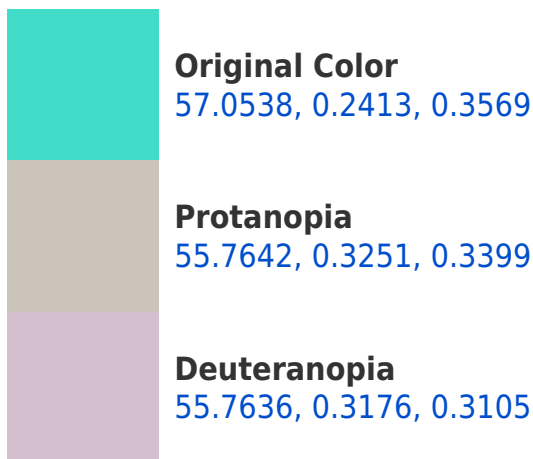


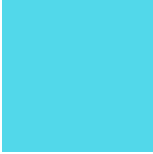
This preview shows how white text looks on a background with the Yxy color 57.0538, 0.2413, 0.3569.

# 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





## **Tritanopia**

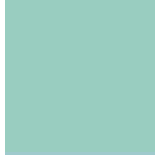
56.8461, 0.2302, 0.3052

# Trichromacy



## Original Color

57.0538, 0.2413, 0.3569



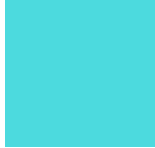
## Protanomaly

54.2407, 0.2838, 0.3461



## Deuteranomaly

54.0198, 0.2794, 0.3250



## Tritanomaly

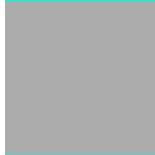
56.9532, 0.2341, 0.3234

# Monochromacy



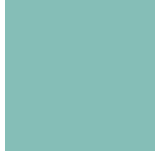
## Original Color

57.0538, 0.2413, 0.3569



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

45.2324, 0.2745, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.0538, 0.2413, 0.3569 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(65, 221, 201)` looks like.

```
.text, #text, p{  
    color:rgb(65, 221, 201)  
}
```

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(65, 221, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 221, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 57.0538, 0.2413, 0.3569 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(65, 221, 201) }
```

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

```
.border{ border-color:rgb(65, 221, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 221, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 221, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 221, 201);  
box-shadow:4px 4px 4px 4px rgb(65, 221,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.0538, 0.2413, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 221, 201) }
```

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

```
.background{ background-color: rgb(65, 221,  
201) }
```

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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