

# Converting Colors

Yxy(56.0254, 0.2413, 0.3722)

Have a look what the booklet for  
Yxy(56.0254, 0.2413, 0.3722)  
contains.

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# Color

**Yxy(56.0324, 0.2414, 0.3721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DDDBF
RGB	45, 221, 191
RGB Percent	18%, 87%, 75%
CMY	0.8227, 0.1334, 0.2509
CMYK	0.80, 0.00, 0.14, 0.13
HSL	170°, 72%, 52%
HSV	170°, 80%, 87%
XYZ	36.3510, 56.0324, 58.2008
YIQ	164.9560, -95.2660, -46.6420

# Conversions

## Conversions Part 2

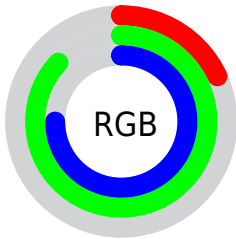
Format	Color
<a href="#">RYB</a>	<a href="#">45, 141, 221</a>
Decimal	<a href="#">3005887</a>
CIELab	<a href="#">79.63, -49.27, 2.57</a>
CIELCh	<a href="#">80, 49.339, 177.014</a>
Yxy	<a href="#">56.0324, 0.2414, 0.3721</a>
Android (android.graphics.Color)	<a href="#">4281195967</a> ( <a href="#">0xFF2DDDBF</a> )
YUV	<a href="#">164.9560, 12.8397, -105.2014</a>
Hunter-Lab	<a href="#">74.8548, -44.3126, 6.2994</a>

# Details

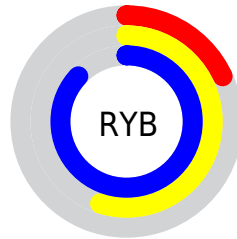
The Yxy color **56.0324, 0.2414, 0.3721** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.7750, 0.5501, 0.3052**, and the grayscale version is **37.6076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3003, 0.2483, 0.3381**, and **28.7452, 0.2392, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **55.4915, 0.2400, 0.3782**, and if you desaturate by 10%, it is **56.8443, 0.2447, 0.3659**.

# Distribution



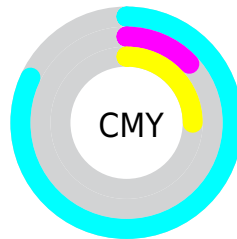
- Red (18%)
- Green (87%)
- Blue (75%)



- Red (18%)
- Yellow (55%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (82%)
- Magenta (13%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0324, 0.2414, 0.3721 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 56.0324, 0.2414, 0.3721 by changing the saturation by 10% instead.





 56.0324, 0.2414,  
0.3721

 56.0324, 0.2414,  
0.3721


409.8136, 0.2758,  
0.3511

 40.2289, 0.2332,  
0.3772


 99.0519, 0.2536,  
0.3646


 27.7171, 0.2230,  
0.3836


 127.0368, 0.2582,  
0.3617

 18.1125, 0.2098,  
0.3919


 159.8509, 0.2622,  
0.3593

 11.0308, 0.1922,  
0.4032

 197.8786, 0.2657,  
0.3572

 6.0875, 0.1677,  
0.4192

 241.5043, 0.2687,  
0.3554

 2.8984, 0.1320,  
0.4433

291.1124, 0.2713,

 1.0789, 0.0000,

0.3538

0.5236

347.0874, 0.2737,  
0.3524

0.0000, 0.0000,  
0.0000

56.0324, 0.2414,  
0.3721

56.0324, 0.2414,  
0.3721

55.4915, 0.2400,  
0.3782

56.8443, 0.2447,  
0.3659

55.1549, 0.2402,  
0.3843

57.9567, 0.2500,  
0.3599

55.1411, 0.2402,  
0.3846

59.4019, 0.2572,  
0.3539

61.2066, 0.2661,  
0.3482

63.3948, 0.2764,  
0.3428

65.9882, 0.2879,  
0.3377

69.0069, 0.3003,  
0.3331

72.4698, 0.3133,  
0.3288

76.3947, 0.3266,  
0.3250

# Harmonies

## Analogous

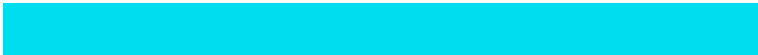
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0324, 0.2969, 0.4291



56.0324, 0.2414, 0.3721



56.0324, 0.2070, 0.3055

# Triad

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



56.0324, 0.2414, 0.3721



56.0324, 0.2575, 0.2311



56.0324, 0.4407, 0.3837

# Complementary

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



56.0324, 0.2414, 0.3721



17.7750, 0.5501, 0.3052

# 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.



56.0324, 0.4307, 0.3344



56.0324, 0.2414, 0.3721



56.0324, 0.3183, 0.2513

# Square

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



56.0324, 0.2414, 0.3721



56.0324, 0.2160, 0.2316



56.0324, 0.3839, 0.2878



56.0324, 0.4132, 0.4267



# Rectangle

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



56.0324, 0.2414, 0.3721



56.0324, 0.1986, 0.2697



56.0324, 0.3839, 0.2878



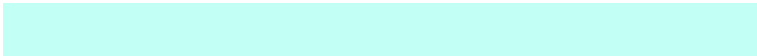
56.0324, 0.4419, 0.3674

# Sweetspot

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



56.0346, 0.2414, 0.3721



89.5289, 0.2825, 0.3400



53.4966, 0.3124, 0.5679



18.8936, 0.2784, 0.3419



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.



56.0346, 0.2414, 0.3721



76.4431, 0.2400, 0.3820



32.8125, 0.2068, 0.2453



14.7895, 0.3005, 0.3330



32.0493, 0.2399, 0.3836



2.0866, 0.2371, 0.3737



# Inverse Universe

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



17.7750, 0.5501, 0.3052



21.8084, 0.6063, 0.3145



24.8460, 0.5355, 0.3808



13.0876, 0.3265, 0.3250



9.0214, 0.6139, 0.3156

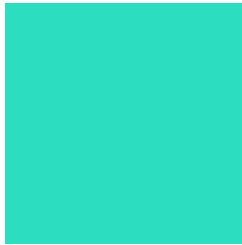


0.5957, 0.5714, 0.2921



# Previews

## White Background



This preview shows how the Yxy color 56.0324, 0.2414, 0.3721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

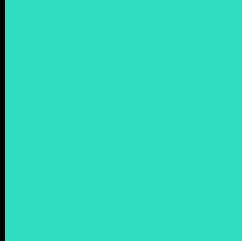
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.0324, 0.2414, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

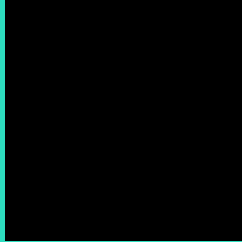
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

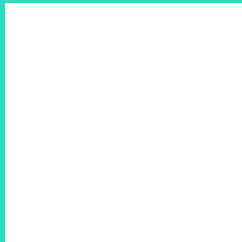
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.0324, 0.2414, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0324, 0.2414, 0.3721.

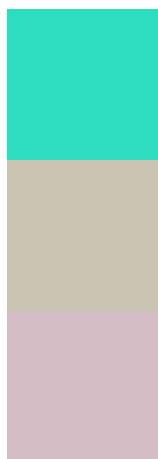


This preview shows how white text looks on a background with the Yxy color 56.0324, 0.2414, 0.3721.

# 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

56.0324, 0.2414, 0.3721

### Protanopia

54.9010, 0.3329, 0.3510

### Deuteranopia

54.6185, 0.3256, 0.3185



## **Tritanopia**

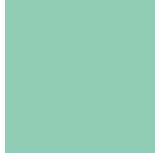
55.9005, 0.2278, 0.3049

# Trichromacy



## Original Color

56.0324, 0.2414, 0.3721



## Protanomaly

52.6741, 0.2854, 0.3589



## Deuteranomaly

52.3888, 0.2809, 0.3369



## Tritanomaly

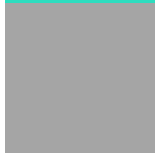
55.7444, 0.2321, 0.3274

# Monochromacy



## Original Color

56.0324, 0.2414, 0.3721



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

41.8189, 0.2715, 0.3454

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0324, 0.2414, 0.3721 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, 221, 191)` looks like.

```
.text, #text, p{  
    color:rgb(45, 221, 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, 221, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 221, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0324, 0.2414, 0.3721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

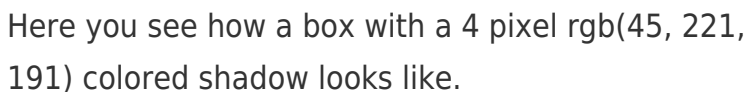
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(45, 221, 191) }
```

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

```
.border{ border-color:rgb(45, 221, 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, 221, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 221, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 221, 191);  
box-shadow:4px 4px 4px 4px rgb(45, 221,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0324, 0.2414, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 221, 191) }
```

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

```
.background{ background-color: rgb(45, 221,  
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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