

# Converting Colors

$Yxy(54.7731, 0.2347, 0.3314)$

Have a look what the booklet for  
Yxy(54.7731, 0.2347, 0.3314)  
contains.

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# Color

**Yxy(54.6339, 0.2348, 0.3315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44D7D5
RGB	68, 215, 213
RGB Percent	27%, 84%, 84%
CMY	0.7334, 0.1569, 0.1646
CMYK	0.68, 0.00, 0.01, 0.16
HSL	179°, 65%, 55%
HSV	179°, 68%, 84%
XYZ	38.6970, 54.6339, 71.4773
YIQ	170.8190, -86.9700, -31.7860

# Conversions

## Conversions Part 2

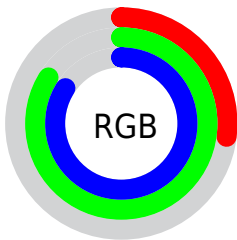
Format	Color
<a href="#">RYB</a>	<a href="#">68, 142, 215</a>
Decimal	<a href="#">4511701</a>
CIELab	<a href="#">78.83, -38.17, -10.32</a>
CIELCh	<a href="#">79, 39.539, 195.130</a>
Yxy	<a href="#">54.6339, 0.2348, 0.3315</a>
Android (android.graphics.Color)	<a href="#">4282701781 (0xFF44D7D5)</a>
YUV	<a href="#">170.8190, 20.7952, -90.1723</a>
Hunter-Lab	<a href="#">73.9147, -35.8998, -5.5945</a>

# Details

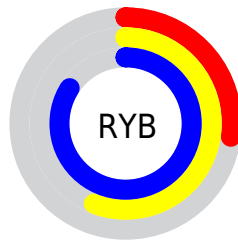
The Yxy color **54.6339, 0.2348, 0.3315** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.0225, 0.5375, 0.3278**, and the grayscale version is **40.5565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **27.6102, 0.2257, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **53.9850, 0.2301, 0.3319**, and if you desaturate by 10%, it is **55.5703, 0.2414, 0.3311**.

# Distribution



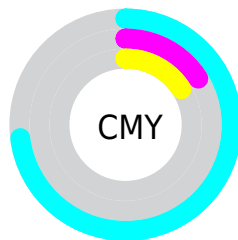
- Red (27%)
- Green (84%)
- Blue (84%)



- Red (27%)
- Yellow (56%)
- Blue (84%)



- Cyan (68%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)




- Cyan (73%)
- Magenta (16%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6339, 0.2348, 0.3315 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 54.6339, 0.2348, 0.3315 by changing the saturation by 10% instead.



 54.6339, 0.2348,  
0.3315


 54.6339, 0.2348,  
0.3315


404.5227, 0.2718,  
0.3313


 39.1087, 0.2262,  
0.3313

 97.0044, 0.2478,  
0.3316


 26.8443, 0.2155,  
0.3308


 124.6184, 0.2528,  
0.3316

 17.4563, 0.2018,  
0.3299


 157.0308, 0.2571,  
0.3316

 10.5604, 0.1839,  
0.3283


 194.6260, 0.2608,  
0.3316

 5.7720, 0.1596,  
0.3250

237.7884, 0.2641,  
0.3315

 2.7070, 0.1253,  
0.3178

286.9024, 0.2669,

 0.9807, 0.0000,

0.3314

0.3245

342.3524, 0.2695,  
0.3314

0.0000, 0.0000,  
0.0000

54.6339, 0.2348,  
0.3315

54.6339, 0.2348,  
0.3315

53.9850, 0.2301,  
0.3319

55.5703, 0.2414,  
0.3311

53.5846, 0.2273,  
0.3324

56.8157, 0.2499,  
0.3307


53.3860, 0.2260,  
0.3328

58.3967, 0.2603,  
0.3303


53.3611, 0.2258,  
0.3328


60.3354, 0.2722,  
0.3299

62.6520, 0.2856,  
0.3296

 65.3651, 0.3000,  
0.3292

 68.4921, 0.3152,  
0.3290

 72.0495, 0.3310,  
0.3287

 74.7999, 0.3420,  
0.3285

# Harmonies

## Analogous

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



54.6339, 0.2716, 0.3837



54.6339, 0.2348, 0.3315



54.6339, 0.2185, 0.2842

# Triad

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



54.6339, 0.2348, 0.3315



54.6339, 0.2969, 0.2560



54.6339, 0.4071, 0.3979

# Complementary

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



54.6339, 0.2348, 0.3315



19.0225, 0.5375, 0.3278

# 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.



54.6339, 0.4171, 0.3600



54.6339, 0.2348, 0.3315



54.6339, 0.3504, 0.2819

# Square

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



54.6339, 0.2348, 0.3315



54.6339, 0.2518, 0.2458



54.6339, 0.3959, 0.3187



54.6339, 0.3713, 0.4218



# Rectangle

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



54.6339, 0.2348, 0.3315



54.6339, 0.2200, 0.2622



54.6339, 0.3959, 0.3187



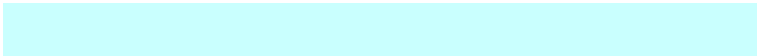
54.6339, 0.4137, 0.3862

# Sweetspot

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



54.6360, 0.2348, 0.3315



91.1739, 0.2817, 0.3297



50.3374, 0.3034, 0.5474



19.3089, 0.2779, 0.3298



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.



54.6360, 0.2348, 0.3315



79.1395, 0.2286, 0.3321



26.0658, 0.2074, 0.2196



14.1049, 0.2985, 0.3293



31.9173, 0.2258, 0.3328



1.9260, 0.2256, 0.3320



# Inverse Universe

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



19.0225, 0.5375, 0.3278



23.4254, 0.5995, 0.3284



33.3435, 0.4698, 0.4089



12.4235, 0.3289, 0.3287



8.6461, 0.6385, 0.3291

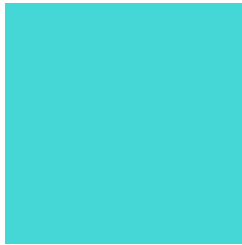


0.5225, 0.6336, 0.3264



# Previews

## White Background



This preview shows how the Yxy color 54.6339, 0.2348, 0.3315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

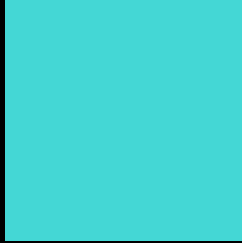
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6339, 0.2348, 0.3315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

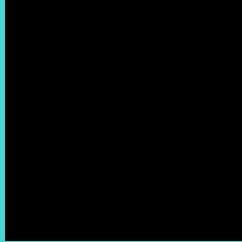
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

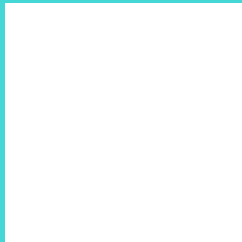
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.6339, 0.2348, 0.3315**

## Background



This preview shows how black text looks on a background with the Yxy color 54.6339, 0.2348, 0.3315.

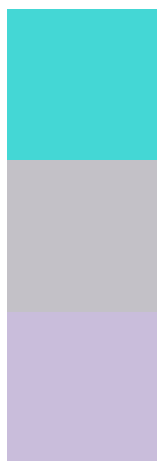


This preview shows how white text looks on a background with the Yxy color 54.6339, 0.2348, 0.3315.

# 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

54.6339, 0.2348, 0.3315

### Protanopia

53.8656, 0.3099, 0.3217

### Deuteranopia

53.9272, 0.3001, 0.2938



## Tritanopia

54.3779, 0.2291, 0.3047

# Trichromacy



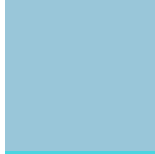
## Original Color

54.6339, 0.2348, 0.3315



## Protanomaly

52.5225, 0.2733, 0.3249



## Deuteranomaly

52.1702, 0.2677, 0.3045



## Tritanomaly

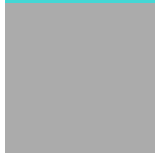
54.4262, 0.2311, 0.3139

# Monochromacy



## Original Color

54.6339, 0.2348, 0.3315



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

44.1542, 0.2728, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6339, 0.2348, 0.3315 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(68, 215, 213)` looks like.

```
.text, #text, p{  
  color:rgb(68, 215, 213)  
}
```

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(68, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 215, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6339, 0.2348, 0.3315 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(68, 215, 213) }
```

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

```
.border{ border-color:rgb(68, 215, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 215, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(68, 215,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6339, 0.2348, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 215, 213) }
```

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

```
.background{ background-color: rgb(68, 215,  
213) }
```

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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