

# Converting Colors

$Yxy(44.3537, 0.2455, 0.3533)$

Have a look what the booklet for  
Yxy(44.3537, 0.2455, 0.3533)  
contains.

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# Color

**Yxy(44.1916, 0.2458, 0.3535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49C4B4
RGB	73, 196, 180
RGB Percent	29%, 77%, 71%
CMY	0.7136, 0.2314, 0.2941
CMYK	0.63, 0.00, 0.08, 0.23
HSL	172°, 51%, 53%
HSV	172°, 63%, 77%
XYZ	30.7279, 44.1916, 50.0921
YIQ	157.3990, -68.1720, -31.0520

# Conversions

## Conversions Part 2

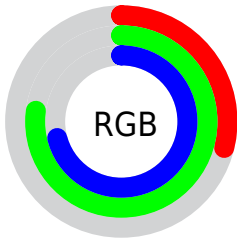
Format	Color
<a href="#">RYB</a>	<a href="#">73, 139, 196</a>
Decimal	<a href="#">4834484</a>
CIELab	<a href="#">72.36, -37.68, -2.06</a>
CIElCh	<a href="#">72, 37.739, 183.124</a>
Yxy	<a href="#">44.1916, 0.2458, 0.3535</a>
Android (android.graphics.Color)	<a href="#">4283024564</a> ( <a href="#">0xFF49C4B4</a> )
YUV	<a href="#">157.3990, 11.1423, -74.0179</a>
Hunter-Lab	<a href="#">66.4768, -33.8255, 1.8570</a>

# Details

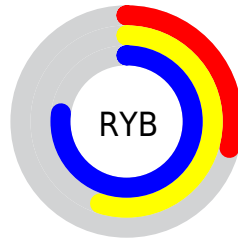
The Yxy color **44.1916, 0.2458, 0.3535** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.2275, 0.4853, 0.3102**, and the grayscale version is **33.8830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3750, 0.2575, 0.3487**, and **20.8783, 0.2337, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **43.4412, 0.2408, 0.3580**, and if you desaturate by 10%, it is **45.1885, 0.2527, 0.3490**.

# Distribution



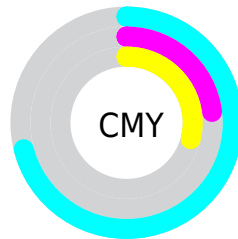
- Red (29%)
- Green (77%)
- Blue (71%)



- Red (29%)
- Yellow (55%)
- Blue (77%)



- Cyan (63%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)




- Cyan (71%)
- Magenta (23%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1916, 0.2458, 0.3535 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 44.1916, 0.2458, 0.3535 by changing the saturation by 10% instead.





 44.1916, 0.2458,  
0.3535


 44.1916, 0.2458,  
0.3535


363.4896, 0.2792,  
0.3415


 30.8212, 0.2375,  
0.3564

 81.5060, 0.2579,  
0.3492

 20.4627, 0.2270,  
0.3601


 106.2187, 0.2624,  
0.3476

 12.7318, 0.2131,  
0.3648

 135.4810, 0.2663,  
0.3462

 7.2441, 0.1940,  
0.3712

 169.6772, 0.2696,  
0.3450

 3.6153, 0.1663,  
0.3801

209.1918, 0.2725,  
0.3439

 1.4608, 0.1044,  
0.4012

254.4091, 0.2750,


 0.2609, 0.0000,


0.3430

0.3788


305.7136, 0.2772,  
0.3422


 0.0000, 0.0000,  
0.0000

 44.1916, 0.2458,  
0.3535

 44.1916, 0.2458,  
0.3535


 43.4412, 0.2408,  
0.3580


 45.1885, 0.2527,  
0.3490

 42.9087, 0.2376,  
0.3626


 46.4474, 0.2614,  
0.3447

 42.5674, 0.2363,  
0.3671

 47.9882, 0.2716,  
0.3406

 42.4013, 0.2362,  
0.3704

 49.8277, 0.2832,  
0.3367

 51.9812, 0.2957,  
0.3331

■ 54.4631, 0.3090,  
0.3298

■ 57.2868, 0.3227,  
0.3269

■ 60.4649, 0.3367,  
0.3242

■ 64.0095, 0.3506,  
0.3218

# Harmonies

## Analogous

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



44.1916, 0.2901, 0.4028



44.1916, 0.2458, 0.3535



44.1916, 0.2203, 0.3006

# Triad

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



44.1916, 0.2458, 0.3535



44.1916, 0.2763, 0.2481



44.1916, 0.4171, 0.3848

# Complementary

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



44.1916, 0.2458, 0.3535



17.2275, 0.4853, 0.3102

# 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.



44.1916, 0.4147, 0.3435



44.1916, 0.2458, 0.3535



44.1916, 0.3292, 0.2686

# Square

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



44.1916, 0.2458, 0.3535



44.1916, 0.2368, 0.2451



44.1916, 0.3815, 0.3024



44.1916, 0.3898, 0.4168



# Rectangle

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



44.1916, 0.2458, 0.3535



44.1916, 0.2158, 0.2729



44.1916, 0.3815, 0.3024



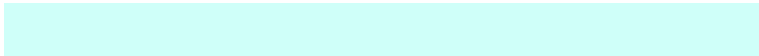
44.1916, 0.4199, 0.3715

# Sweetspot

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



44.1933, 0.2458, 0.3535



91.5414, 0.2874, 0.3355



42.1067, 0.3125, 0.5242



19.3619, 0.2838, 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.



44.1933, 0.2458, 0.3535



78.3216, 0.2395, 0.3596



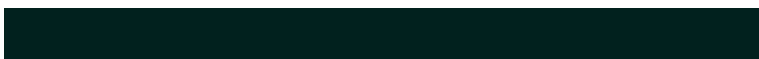
27.5089, 0.2210, 0.2558



11.4052, 0.3001, 0.3320



27.2537, 0.2360, 0.3697



1.1840, 0.2333, 0.3597



# Inverse Universe

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



17.2275, 0.4853, 0.3102



25.6137, 0.5442, 0.3108



25.2033, 0.4670, 0.3864



10.0987, 0.3269, 0.3260



7.5945, 0.6216, 0.3198

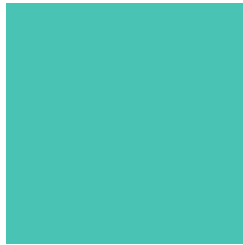


0.3353, 0.5727, 0.2928



# Previews

## White Background



This preview shows how the Yxy color 44.1916, 0.2458, 0.3535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

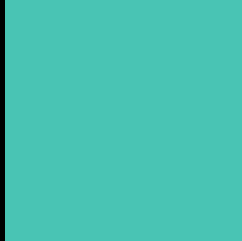
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1916, 0.2458, 0.3535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

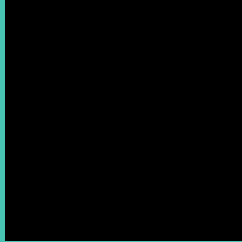
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

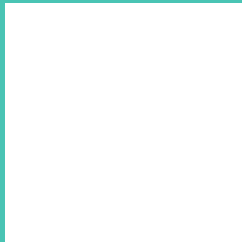
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.1916, 0.2458, 0.3535**

## Background



This preview shows how black text looks on a background with the Yxy color 44.1916, 0.2458, 0.3535.

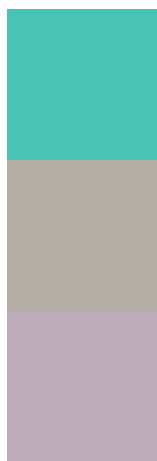


This preview shows how white text looks on a background with the Yxy color 44.1916, 0.2458, 0.3535.

# 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

44.1916, 0.2458, 0.3535

### Protanopia

43.3109, 0.3239, 0.3384

### Deuteranopia

43.4474, 0.3171, 0.3110



## Tritanopia

44.1846, 0.2350, 0.3056

# Trichromacy



**Original Color**

44.1916, 0.2458, 0.3535

**Protanomaly**

42.5963, 0.2877, 0.3449

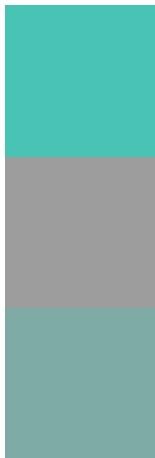
**Deuteranomaly**

42.2645, 0.2835, 0.3247

**Tritanomaly**

43.9665, 0.2387, 0.3214

# Monochromacy



**Original Color**

44.1916, 0.2458, 0.3535

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

36.2781, 0.2793, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1916, 0.2458, 0.3535 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(73, 196, 180)` looks like.

```
.text, #text, p{  
  color:rgb(73, 196, 180)  
}
```

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(73, 196, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 196, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1916, 0.2458, 0.3535 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(73, 196, 180) }
```

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

```
.border{ border-color:rgb(73, 196, 180) }
```

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

Here you see how a box with a 4 pixel rgb(73, 196, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 196, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 196, 180);  
box-shadow:4px 4px 4px 4px rgb(73, 196,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1916, 0.2458, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 196, 180) }
```

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

```
.background{ background-color: rgb(73, 196,  
180) }
```

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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