

# Converting Colors

$Y_{xy}(44.5758, 0.2418, 0.3350)$

Have a look what the booklet for  
Yxy(44.5758, 0.2418, 0.3350)  
contains.

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# Color

**Yxy(44.4115, 0.2417, 0.3348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EC3BF
RGB	78, 195, 191
RGB Percent	31%, 76%, 75%
CMY	0.6941, 0.2353, 0.2509
CMYK	0.60, 0.00, 0.02, 0.24
HSL	178°, 49%, 54%
HSV	178°, 60%, 76%
XYZ	32.0617, 44.4115, 56.1776
YIQ	159.5610, -68.4480, -26.0480

# Conversions

## Conversions Part 2

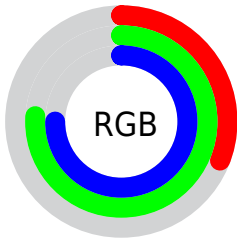
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 138, 195
Decimal	5161919
CIELab	72.50, -33.42, -7.82
CIElCh	73, 34.321, 193.169
Yxy	44.4115, 0.2417, 0.3348
Android (android.graphics.Color)	4283351999 (0xFF4EC3BF)
YUV	159.5610, 15.4994, -71.5290
Hunter-Lab	66.6420, -30.7464, -3.3307

# Details

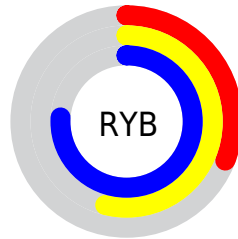
The Yxy color **44.4115, 0.2417, 0.3348** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.6611, 0.4918, 0.3247**, and the grayscale version is **34.8940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8252, 0.2545, 0.3346**, and **20.8847, 0.2264, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **43.6788, 0.2355, 0.3359**, and if you desaturate by 10%, it is **45.3919, 0.2498, 0.3337**.

# Distribution



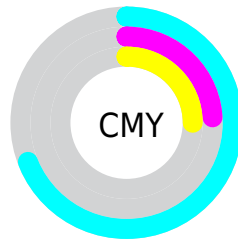
- Red (31%)
- Green (76%)
- Blue (75%)



- Red (31%)
- Yellow (54%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (69%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4115, 0.2417, 0.3348 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 44.4115, 0.2417, 0.3348 by changing the saturation by 10% instead.




 44.4115, 0.2417,  
0.3348


 44.4115, 0.2417,  
0.3348

364.3849, 0.2768,  
0.3327


 30.9941, 0.2331,  
0.3351


 81.8366, 0.2543,  
0.3342


 20.5944, 0.2223,  
0.3353


 106.6131, 0.2591,  
0.3339

 12.8278, 0.2080,  
0.3353


 135.9448, 0.2631,  
0.3337

 7.3101, 0.1887,  
0.3347


 170.2161, 0.2666,  
0.3335

 3.6568, 0.1611,  
0.3328

209.8114, 0.2697,  
0.3332

 1.4835, 0.1111,  
0.3298

255.1150, 0.2723,

 0.2771, 0.0000,

0.3330

0.2462

306.5113, 0.2747,  
0.3329

0.0000, 0.0000,  
0.0000

44.4115, 0.2417,  
0.3348

44.4115, 0.2417,  
0.3348

43.6788, 0.2355,  
0.3359

45.3919, 0.2498,  
0.3337

43.1664, 0.2312,  
0.3370

46.6345, 0.2597,  
0.3327

42.8495, 0.2287,  
0.3381

48.1585, 0.2712,  
0.3316

42.6771, 0.2276,  
0.3392

49.9801, 0.2840,  
0.3307

42.6771, 0.2276,  
0.3392

52.1141, 0.2980,  
0.3298

■ 54.5745, 0.3127,  
0.3290

■ 57.3742, 0.3280,  
0.3283

■ 60.5256, 0.3435,  
0.3276

■ 64.0404, 0.3590,  
0.3271

# Harmonies

## Analogous

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



44.4115, 0.2774, 0.3824



44.4115, 0.2417, 0.3348



44.4115, 0.2249, 0.2900

# Triad

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



44.4115, 0.2417, 0.3348



44.4115, 0.2950, 0.2594



44.4115, 0.4022, 0.3917

# Complementary

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



44.4115, 0.2417, 0.3348



17.6611, 0.4918, 0.3247

# 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.



44.4115, 0.4093, 0.3559



44.4115, 0.2417, 0.3348



44.4115, 0.3446, 0.2830

# Square

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



44.4115, 0.2417, 0.3348



44.4115, 0.2536, 0.2511



44.4115, 0.3879, 0.3172



44.4115, 0.3703, 0.4146



# Rectangle

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



44.4115, 0.2417, 0.3348



44.4115, 0.2254, 0.2685



44.4115, 0.3879, 0.3172



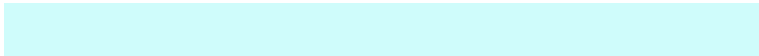
44.4115, 0.4077, 0.3807

# Sweetspot

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



44.4132, 0.2417, 0.3348



90.1292, 0.2864, 0.3305



41.4595, 0.3070, 0.5188



19.5067, 0.2824, 0.3308



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.



44.4132, 0.2417, 0.3348



77.9006, 0.2340, 0.3363



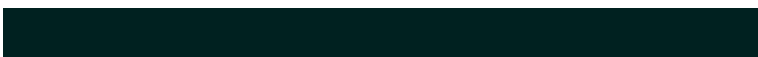
25.0116, 0.2206, 0.2429



11.4223, 0.2989, 0.3298



27.7398, 0.2275, 0.3391



1.2004, 0.2268, 0.3366



# Inverse Universe

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



17.6611, 0.4918, 0.3247



25.7804, 0.5532, 0.3250



28.2924, 0.4486, 0.3972



10.0833, 0.3284, 0.3283



7.5528, 0.6358, 0.3276

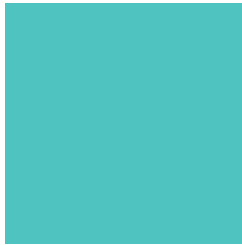


0.3283, 0.6204, 0.3191



# Previews

## White Background



This preview shows how the Yxy color 44.4115, 0.2417, 0.3348 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 44.4115, 0.2417, 0.3348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

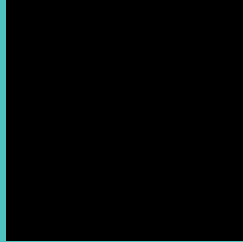
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

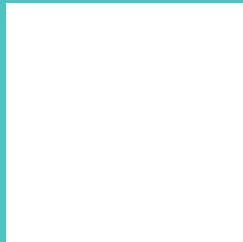
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.4115, 0.2417, 0.3348**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4115, 0.2417, 0.3348.

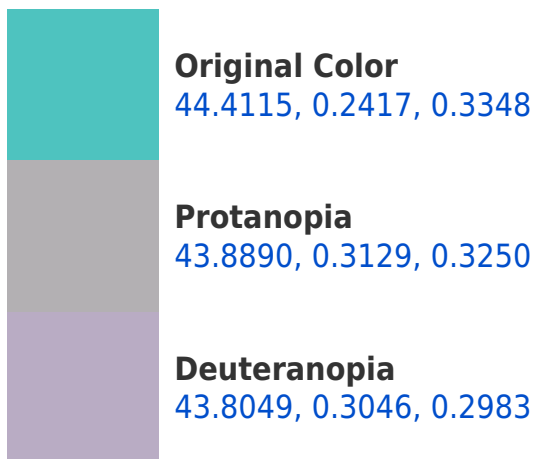


This preview shows how white text looks on a background with the Yxy color 44.4115, 0.2417, 0.3348.

# 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

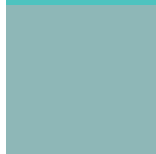
44.1846, 0.2350, 0.3056

# Trichromacy



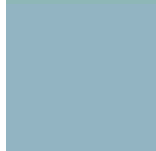
## Original Color

44.4115, 0.2417, 0.3348



## Protanomaly

43.0367, 0.2800, 0.3289



## Deuteranomaly

42.6486, 0.2751, 0.3094



## Tritanomaly

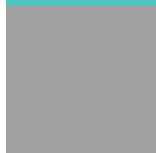
44.1980, 0.2371, 0.3156

# Monochromacy



## Original Color

44.4115, 0.2417, 0.3348



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

37.5732, 0.2783, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4115, 0.2417, 0.3348 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(78, 195, 191)` looks like.

```
.text, #text, p{  
    color:rgb(78, 195, 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(78, 195, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 195, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4115, 0.2417, 0.3348 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(78, 195, 191) }
```

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

```
.border{ border-color:rgb(78, 195, 191) }
```

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

Here you see how a box with a 4 pixel rgb(78, 195, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 195, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 195, 191);  
box-shadow:4px 4px 4px 4px rgb(78, 195,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4115, 0.2417, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 195, 191) }
```

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

```
.background{ background-color: rgb(78, 195,  
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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