

# Converting Colors

$Yxy(54.7684, 0.2330, 0.3260)$

Have a look what the booklet for  
Yxy(54.7684, 0.2330, 0.3260)  
contains.

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# Color

**Yxy(54.8396, 0.2331, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44D7D9
RGB	68, 215, 217
RGB Percent	27%, 84%, 85%
CMY	0.7331, 0.1569, 0.1490
CMYK	0.69, 0.01, 0.00, 0.15
HSL	181°, 66%, 56%
HSV	181°, 69%, 85%
XYZ	39.2120, 54.8396, 74.1680
YIQ	171.2750, -88.2540, -30.5420

# Conversions

## Conversions Part 2

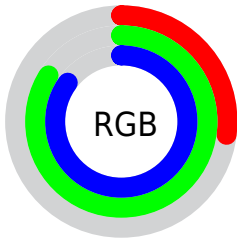
Format	Color
<a href="#">RYB</a>	<a href="#">68, 142, 217</a>
Decimal	<a href="#">4511705</a>
CIELab	<a href="#">78.95, -37.04, -12.27</a>
CIELCh	<a href="#">79, 39.023, 198.325</a>
Yxy	<a href="#">54.8396, 0.2331, 0.3260</a>
Android (android.graphics.Color)	<a href="#">4282701785</a> ( <a href="#">0xFF44D7D9</a> )
YUV	<a href="#">171.2750, 22.5424, -90.5722</a>
Hunter-Lab	<a href="#">74.0538, -35.0771, -7.5439</a>

# Details

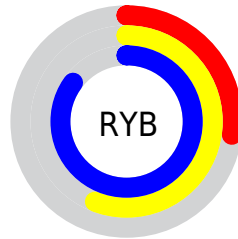
The Yxy color **54.8396, 0.2331, 0.3260** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.5598, 0.5400, 0.3316**, and the grayscale version is **40.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **27.7502, 0.2236, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **54.0509, 0.2282, 0.3255**, and if you desaturate by 10%, it is **55.9214, 0.2399, 0.3265**.

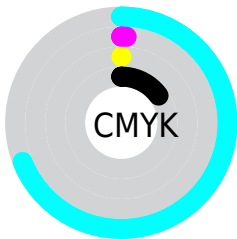
# Distribution



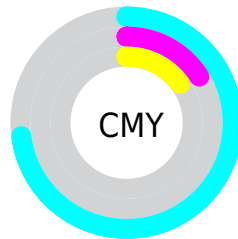
- Red (27%)
- Green (84%)
- Blue (85%)



- Red (27%)
- Yellow (56%)
- Blue (85%)



- Cyan (69%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)




- Cyan (73%)
- Magenta (16%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8396, 0.2331, 0.3260 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 54.8396, 0.2331, 0.3260 by changing the saturation by 10% instead.





 54.8396, 0.2331,  
0.3260


 54.8396, 0.2331,  
0.3260


405.3036, 0.2708,  
0.3286


 39.2733, 0.2244,  
0.3251


 97.3059, 0.2463,  
0.3272


 26.9724, 0.2135,  
0.3237


 124.9747, 0.2514,  
0.3275

 17.5525, 0.1998,  
0.3217


 157.4465, 0.2558,  
0.3278

 10.6292, 0.1817,  
0.3185

 195.1056, 0.2596,  
0.3280

 5.8181, 0.1574,  
0.3130

238.3365, 0.2629,  
0.3282

 2.7348, 0.1233,  
0.3025

287.5235, 0.2658,

 0.9949, 0.0112,

0.3284

0.2986

343.0511, 0.2684,  
0.3285

0.0000, 0.0000,  
0.0000

54.8396, 0.2331,  
0.3260

54.8396, 0.2331,  
0.3260

54.0509, 0.2282,  
0.3255

55.9214, 0.2399,  
0.3265

53.5154, 0.2252,  
0.3251

57.3187, 0.2486,  
0.3269


53.1838, 0.2237,  
0.3247


59.0586, 0.2591,  
0.3274


53.1445, 0.2235,  
0.3246


61.1638, 0.2713,  
0.3278

63.6550, 0.2848,  
0.3283

 66.5512, 0.2994,  
0.3287

 69.8705, 0.3149,  
0.3291

 73.6294, 0.3307,  
0.3294

 76.2225, 0.3406,  
0.3297

# Harmonies

## Analogous

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



54.8396, 0.2676, 0.3778



54.8396, 0.2331, 0.3260



54.8396, 0.2193, 0.2808

# Triad

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



54.8396, 0.2331, 0.3260



54.8396, 0.3026, 0.2590



54.8396, 0.4031, 0.4005

# Complementary

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



54.8396, 0.2331, 0.3260



19.5598, 0.5400, 0.3316

# 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.



54.8396, 0.4160, 0.3640



54.8396, 0.2331, 0.3260



54.8396, 0.3553, 0.2860

# Square

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



54.8396, 0.2331, 0.3260



54.8396, 0.2567, 0.2471



54.8396, 0.3983, 0.3232



54.8396, 0.3658, 0.4216



# Rectangle

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



54.8396, 0.2331, 0.3260



54.8396, 0.2224, 0.2605



54.8396, 0.3983, 0.3232



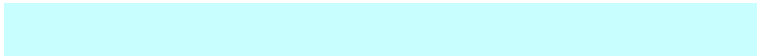
54.8396, 0.4106, 0.3894

# Sweetspot

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



54.8417, 0.2331, 0.3260



90.7602, 0.2813, 0.3282



51.2787, 0.3024, 0.5489



19.2088, 0.2774, 0.3280



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.



54.8417, 0.2331, 0.3260



77.5329, 0.2268, 0.3254



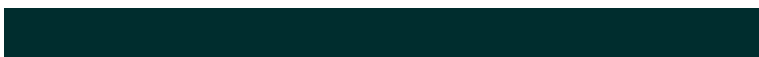
25.7465, 0.2060, 0.2150



14.7978, 0.2982, 0.3286



32.1819, 0.2235, 0.3247



2.0948, 0.2237, 0.3254



# Inverse Universe

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



23.8006, 0.3221, 0.1785



30.2459, 0.3233, 0.1635



34.6762, 0.4682, 0.4119



13.2717, 0.3140, 0.3063



11.8726, 0.3243, 0.1560

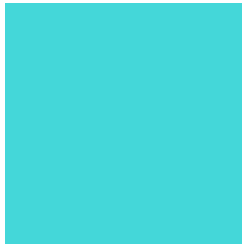


0.7702, 0.3237, 0.1557



# Previews

## White Background



This preview shows how the Yxy color 54.8396, 0.2331, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

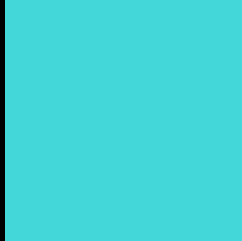
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8396, 0.2331, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

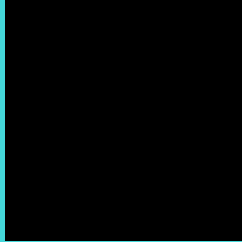
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.8396, 0.2331, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8396, 0.2331, 0.3260.



This preview shows how white text looks on a background with the Yxy color 54.8396, 0.2331, 0.3260.

# 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

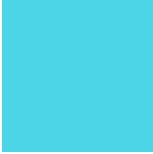
54.8396, 0.2331, 0.3260

### Protanopia

54.0538, 0.3069, 0.3169

### Deuteranopia

53.8650, 0.2957, 0.2892



## **Tritanopia**

54.8382, 0.2291, 0.3061

# Trichromacy



## Original Color

54.8396, 0.2331, 0.3260



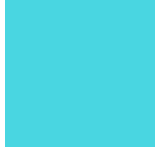
## Protanomaly

52.7169, 0.2709, 0.3197



## Deuteranomaly

52.1879, 0.2640, 0.2995



## Tritanomaly

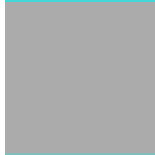
54.9458, 0.2307, 0.3139

# Monochromacy



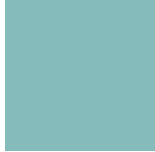
## Original Color

54.8396, 0.2331, 0.3260



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

44.2398, 0.2715, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8396, 0.2331, 0.3260 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(68, 215, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 215, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8396, 0.2331, 0.3260 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, 217) }
```

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

```
.border{ border-color:rgb(68, 215, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 215, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 215, 217);  
box-shadow:4px 4px 4px 4px rgb(68, 215,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8396, 0.2331, 0.3260 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, 217) }
```

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

```
.background{ background-color: rgb(68, 215,  
217) }
```

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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