

# Converting Colors

$Y_{xy}(46.3639, 0.2352, 0.3332)$

Have a look what the booklet for  
Yxy(46.3639, 0.2352, 0.3332)  
contains.

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# Color

**Yxy(46.3639, 0.2352, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EC8C5
RGB	62, 200, 197
RGB Percent	24%, 78%, 77%
CMY	0.7562, 0.2157, 0.2274
CMYK	0.69, 0.00, 0.01, 0.22
HSL	179°, 56%, 51%
HSV	179°, 69%, 78%
XYZ	32.7275, 46.3639, 60.0560
YIQ	158.3960, -81.2850, -30.1890

# Conversions

## Conversions Part 2

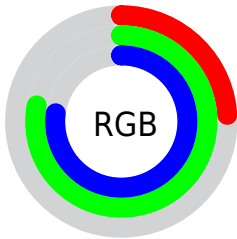
Format	Color
<a href="#">RYB</a>	<a href="#">62, 132, 200</a>
Decimal	<a href="#">4114629</a>
CIELab	<a href="#">73.78, -36.54, -9.22</a>
CIELCh	<a href="#">74, 37.682, 194.170</a>
Yxy	<a href="#">46.3639, 0.2352, 0.3332</a>
Android (android.graphics.Color)	<a href="#">4282304709</a> ( <a href="#">0xFF3EC8C5</a> )
YUV	<a href="#">158.3960, 19.0318, -84.5393</a>
Hunter-Lab	<a href="#">68.0910, -33.3646, -4.6298</a>

# Details

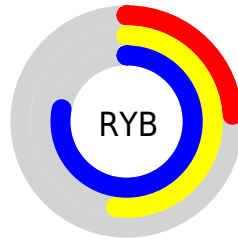
The Yxy color **46.3639, 0.2352, 0.3332** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **16.1244, 0.5369, 0.3266**, and the grayscale version is **34.3421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2650, 0.2479, 0.3299**, and **22.2340, 0.2258, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **45.8122, 0.2306, 0.3339**, and if you desaturate by 10%, it is **47.1572, 0.2417, 0.3325**.

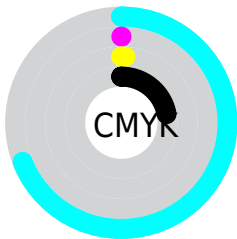
# Distribution



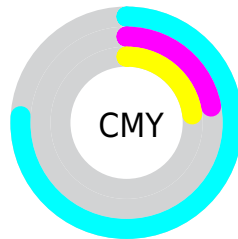
- Red (24%)
- Green (78%)
- Blue (77%)



- Red (24%)
- Yellow (52%)
- Blue (78%)



- Cyan (69%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)




- Cyan (76%)
- Magenta (22%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3639, 0.2352, 0.3332 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 46.3639, 0.2352, 0.3332 by changing the saturation by 10% instead.





 46.3639, 0.2352,  
0.3332


 46.3639, 0.2352,  
0.3332

372.2697, 0.2731,  
0.3321

 32.5331, 0.2261,  
0.3332


 84.7633, 0.2487,  
0.3330


 21.7690, 0.2146,  
0.3330


 110.1008, 0.2539,  
0.3329


 13.6873, 0.1997,  
0.3323


 140.0425, 0.2583,  
0.3328

 7.9035, 0.1797,  
0.3309

 174.9729, 0.2620,  
0.3326

 4.0332, 0.1517,  
0.3275

 215.2765, 0.2653,  
0.3325

 1.6922, 0.1058,  
0.3208

261.3375, 0.2682,

 0.4186, 0.0000,

0.3323

0.2743

313.5405, 0.2708,  
0.3322

■ 0.0000, 0.0000,  
0.0000

■ 46.3639, 0.2352,  
0.3332

■ 46.3639, 0.2352,  
0.3332

■ 45.8122, 0.2306,  
0.3339

■ 47.1572, 0.2417,  
0.3325

■ 45.4692, 0.2279,  
0.3346

■ 48.2102, 0.2501,  
0.3318

■ 45.2911, 0.2266,  
0.3353

■ 49.5452, 0.2602,  
0.3312

■ 45.2750, 0.2265,  
0.3353

■ 51.1808, 0.2720,  
0.3306

■ 53.1340, 0.2851,  
0.3300

■ 55.4204, 0.2994,  
0.3294

■ 58.0547, 0.3144,  
0.3290

■ 61.0507, 0.3299,  
0.3285

■ 64.4214, 0.3456,  
0.3281

# Harmonies

## Analogous

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



46.3639, 0.2728, 0.3856



46.3639, 0.2352, 0.3332



46.3639, 0.2181, 0.2851

# Triad

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



46.3639, 0.2352, 0.3332



46.3639, 0.2951, 0.2550



46.3639, 0.4085, 0.3973

# Complementary

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



46.3639, 0.2352, 0.3332



16.1244, 0.5369, 0.3266

# 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.



46.3639, 0.4176, 0.3588



46.3639, 0.2352, 0.3332



46.3639, 0.3489, 0.2806

# Square

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



46.3639, 0.2352, 0.3332



46.3639, 0.2503, 0.2453



46.3639, 0.3953, 0.3173



46.3639, 0.3731, 0.4220



# Rectangle

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



46.3639, 0.2352, 0.3332



46.3639, 0.2192, 0.2626



46.3639, 0.3953, 0.3173



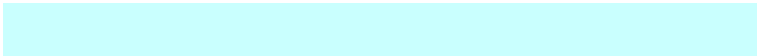
46.3639, 0.4149, 0.3853

# Sweetspot

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



46.3657, 0.2352, 0.3332



91.1457, 0.2819, 0.3301



42.8386, 0.3044, 0.5474



19.3021, 0.2782, 0.3303



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.



46.3657, 0.2352, 0.3332



78.9704, 0.2290, 0.3343



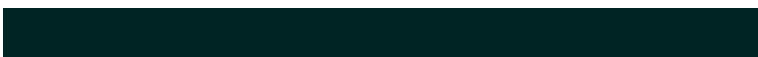
22.7150, 0.2080, 0.2231



12.0635, 0.2987, 0.3295



28.7922, 0.2265, 0.3352



1.3646, 0.2261, 0.3338



# Inverse Universe

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



16.1244, 0.5369, 0.3266



23.2260, 0.6016, 0.3276



27.6732, 0.4730, 0.4063



10.6406, 0.3286, 0.3285



7.8154, 0.6374, 0.3285

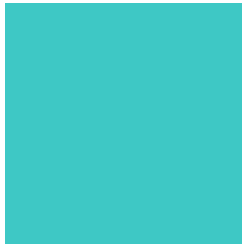


0.3714, 0.6281, 0.3234



# Previews

## White Background



This preview shows how the Yxy color 46.3639, 0.2352, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

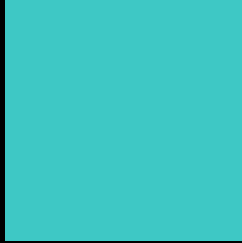
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3639, 0.2352, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

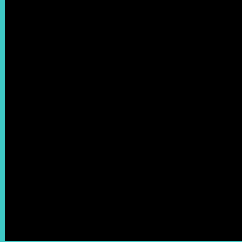
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

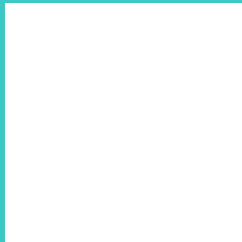
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.3639, 0.2352, 0.3332**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3639, 0.2352, 0.3332.

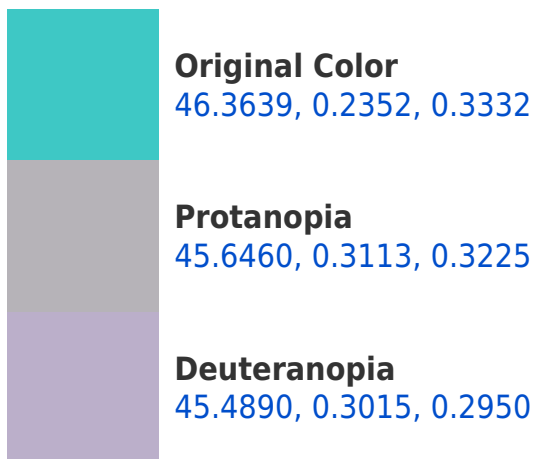


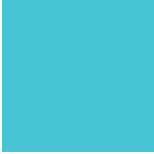
This preview shows how white text looks on a background with the Yxy color 46.3639, 0.2352, 0.3332.

# 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

46.0762, 0.2295, 0.3058

# Trichromacy



## Original Color

46.3639, 0.2352, 0.3332



## Protanomaly

44.6180, 0.2736, 0.3261



## Deuteranomaly

44.2019, 0.2688, 0.3068



## Tritanomaly

46.1221, 0.2316, 0.3157

# Monochromacy



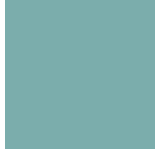
## Original Color

46.3639, 0.2352, 0.3332



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

37.0767, 0.2723, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3639, 0.2352, 0.3332 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(62, 200, 197)` looks like.

```
.text, #text, p{  
    color:rgb(62, 200, 197)  
}
```

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(62, 200, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 200, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3639, 0.2352, 0.3332 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(62, 200, 197) }
```

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

```
.border{ border-color:rgb(62, 200, 197) }
```

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

Here you see how a box with a 4 pixel rgb(62, 200, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 200, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 200, 197);  
box-shadow:4px 4px 4px 4px rgb(62, 200,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3639, 0.2352, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 200, 197) }
```

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

```
.background{ background-color: rgb(62, 200,  
197) }
```

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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