

# Converting Colors

$Y_{xy}(60.1058, 0.2356, 0.3529)$

Have a look what the booklet for  
Yxy(60.1058, 0.2356, 0.3529)  
contains.

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# Color

**Yxy(60.1225, 0.2359, 0.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EE3D1
RGB	46, 227, 209
RGB Percent	18%, 89%, 82%
CMY	0.8186, 0.1098, 0.1805
CMYK	0.80, 0.00, 0.08, 0.11
HSL	174°, 76%, 54%
HSV	174°, 80%, 89%
XYZ	40.1100, 60.1225, 69.7972
YIQ	170.8290, -102.0980, -43.9700

# Conversions

## Conversions Part 2

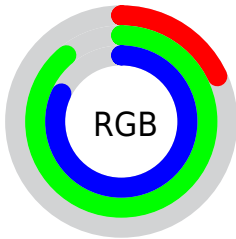
Format	Color
<a href="#">RYB</a>	<a href="#">46, 141, 227</a>
Decimal	<a href="#">3072977</a>
CIELab	<a href="#">81.90, -46.97, -3.65</a>
CIELCh	<a href="#">82, 47.107, 184.439</a>
Yxy	<a href="#">60.1225, 0.2359, 0.3536</a>
Android (android.graphics.Color)	<a href="#">4281263057 (0xFF2EE3D1)</a>
YUV	<a href="#">170.8290, 18.8183, -109.4750</a>
Hunter-Lab	<a href="#">77.5387, -43.3564, 0.9066</a>

# Details

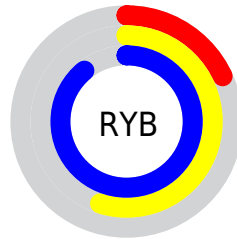
The Yxy color **60.1225, 0.2359, 0.3536** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.6768, 0.5695, 0.3166**, and the grayscale version is **40.6129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **31.4924, 0.2328, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **59.6156, 0.2339, 0.3570**, and if you desaturate by 10%, it is **60.9143, 0.2397, 0.3501**.

# Distribution



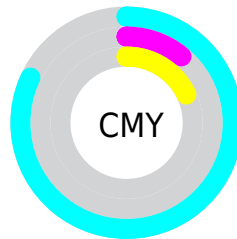
- Red (18%)
- Green (89%)
- Blue (82%)



- Red (18%)
- Yellow (55%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1225, 0.2359, 0.3536 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 60.1225, 0.2359, 0.3536 by changing the saturation by 10% instead.




 60.1225, 0.2359,  
0.3536


 60.1225, 0.2359,  
0.3536


425.0492, 0.2720,  
0.3424


 43.5174, 0.2275,  
0.3561


 105.0073, 0.2485,  
0.3498

 30.2913, 0.2172,  
0.3591


 134.0559, 0.2534,  
0.3483

 20.0598, 0.2041,  
0.3628


 168.0210, 0.2576,  
0.3470

 12.4385, 0.1869,  
0.3675

 207.2871, 0.2613,  
0.3458

 7.0431, 0.1637,  
0.3735

 252.2385, 0.2645,  
0.3448

 3.4890, 0.1310,  
0.3809

303.2598, 0.2673,

 1.3921, 0.0314,

0.3439

0.4112

360.7352, 0.2698,  
0.3431

■ 0.2109, 0.0000,  
0.3032

■ 0.0000, 0.0000,  
0.0000

■ 60.1225, 0.2359,  
0.3536

■ 60.1225, 0.2359,  
0.3536

■ 59.6156, 0.2339,  
0.3570

■ 60.9143, 0.2397,  
0.3501


■ 59.3227, 0.2335,  
0.3604


■ 62.0227, 0.2455,  
0.3467


■ 59.3131, 0.2335,  
0.3606


■ 63.4823, 0.2532,  
0.3433


■ 65.3216, 0.2627,  
0.3401

 67.5660, 0.2737,  
0.3370

 70.2390, 0.2860,  
0.3341

 73.3619, 0.2993,  
0.3314

 76.9549, 0.3132,  
0.3289

 81.0368, 0.3277,  
0.3267

# Harmonies

## Analogous

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



60.1225, 0.2842, 0.4111



60.1225, 0.2359, 0.3536



60.1225, 0.2091, 0.2940

# Triad

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



60.1225, 0.2359, 0.3536



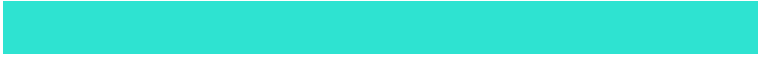
60.1225, 0.2739, 0.2399



60.1225, 0.4291, 0.3921

# Complementary

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



60.1225, 0.2359, 0.3536



18.6768, 0.5695, 0.3166

# 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.



60.1225, 0.4286, 0.3462



60.1225, 0.2359, 0.3536



60.1225, 0.3336, 0.2632

# Square

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



60.1225, 0.2359, 0.3536



60.1225, 0.2295, 0.2353



60.1225, 0.3924, 0.3008



60.1225, 0.3965, 0.4282



# Rectangle

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



60.1225, 0.2359, 0.3536



60.1225, 0.2051, 0.2640



60.1225, 0.3924, 0.3008



60.1225, 0.4330, 0.3773

# Sweetspot

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



60.1248, 0.2359, 0.3536



89.7962, 0.2803, 0.3354



56.2359, 0.3065, 0.5726



18.9588, 0.2759, 0.3364



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.



60.1248, 0.2359, 0.3536



77.3326, 0.2336, 0.3594



29.4743, 0.2004, 0.2214



16.3103, 0.2995, 0.3313



34.6030, 0.2333, 0.3600



2.5642, 0.2320, 0.3550



# Inverse Universe

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



18.6768, 0.5695, 0.3166



21.6004, 0.6236, 0.3234



29.6155, 0.5189, 0.3969



14.3912, 0.3277, 0.3267



9.5672, 0.6282, 0.3234

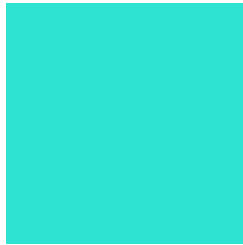


0.7149, 0.6008, 0.3084



# Previews

## White Background



This preview shows how the Yxy color 60.1225, 0.2359, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

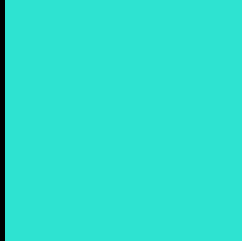
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1225, 0.2359, 0.3536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

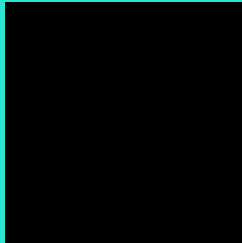
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

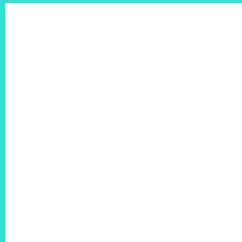
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.1225, 0.2359, 0.3536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1225, 0.2359, 0.3536.

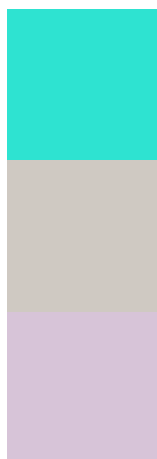


This preview shows how white text looks on a background with the Yxy color 60.1225, 0.2359, 0.3536.

# 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

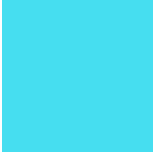
60.1225, 0.2359, 0.3536

### Protanopia

58.9337, 0.3225, 0.3373

### Deuteranopia

58.8848, 0.3130, 0.3064



## **Tritanopia**

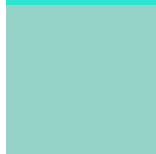
59.8359, 0.2266, 0.3055

# Trichromacy



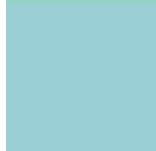
## Original Color

60.1225, 0.2359, 0.3536



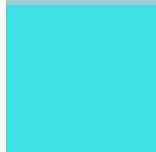
## Protanomaly

56.6063, 0.2774, 0.3433



## Deuteranomaly

56.2998, 0.2719, 0.3212



## Tritanomaly

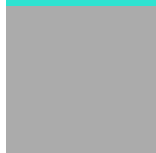
59.9606, 0.2295, 0.3221

# Monochromacy



## Original Color

60.1225, 0.2359, 0.3536



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

45.2000, 0.2688, 0.3375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1225, 0.2359, 0.3536 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(46, 227, 209)` looks like.

```
.text, #text, p{  
    color:rgb(46, 227, 209)  
}
```

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(46, 227, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 227, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1225, 0.2359, 0.3536 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(46, 227, 209) }
```

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

```
.border{ border-color:rgb(46, 227, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 227, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 227, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 227, 209);  
box-shadow:4px 4px 4px 4px rgb(46, 227,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1225, 0.2359, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 227, 209) }
```

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

```
.background{ background-color: rgb(46, 227,  
209) }
```

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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