

# Converting Colors

$Yxy(56.6813, 0.1976, 0.3666)$

Have a look what the booklet for  
Yxy(56.6813, 0.1976, 0.3666)  
contains.

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# Color

**Yxy(61.0014, 0.2343, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E6CD
RGB	0, 230, 205
RGB Percent	0%, 90%, 80%
CMY	1.0000, 0.0980, 0.1961
CMYK	1.00, 0.00, 0.11, 0.10
HSL	173°, 100%, 45%
HSV	173°, 100%, 90%
XYZ	39.3087, 61.0014, 67.4606
YIQ	158.3800, -129.0550, -56.5350

# Conversions

## Conversions Part 2

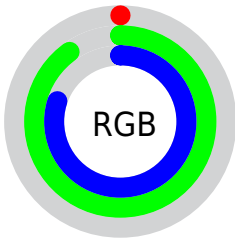
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 122, 230
Decimal	59085
CIELab	82.38, -51.53, -0.88
CIELCh	82, 51.534, 180.980
Yxy	61.0014, 0.2343, 0.3636
Android (android.graphics.Color)	4278249165 (0xFF00E6CD)
YUV	158.3800, 22.9837, -138.8993
Hunter-Lab	78.1034, -46.8437, 3.4616

# Details

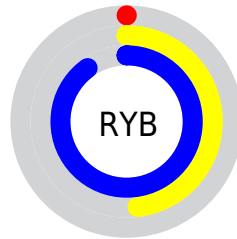
The Yxy color **61.0014, 0.2343, 0.3636** is a dark color, and the websafe version is hex **66FFCC**. The color can be described as middle washed cyan. A complement of this color would be **16.8954, 0.6291, 0.3239**, and the grayscale version is **34.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **32.1215, 0.2358, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **61.0087, 0.2343, 0.3636**, and if you desaturate by 10%, it is **61.3127, 0.2346, 0.3599**.

# Distribution



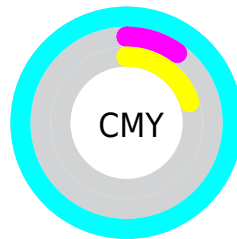
- Red (0%)
- Green (90%)
- Blue (80%)



- Red (0%)
- Yellow (48%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0014, 0.2343, 0.3636 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 61.0014, 0.2343, 0.3636 by changing the saturation by 10% instead.





 61.0014, 0.2343,  
0.3636

 61.0014, 0.2343,  
0.3636


428.2791, 0.2712,  
0.3474

 44.2263, 0.2258,  
0.3673

 106.2810, 0.2472,  
0.3580


 30.8485, 0.2152,  
0.3719


 135.5542, 0.2522,  
0.3558


 20.4835, 0.2017,  
0.3777


 169.7623, 0.2565,  
0.3539

 12.7470, 0.1842,  
0.3853

 209.2896, 0.2602,  
0.3523

 7.2545, 0.1604,  
0.3954

 254.5206, 0.2635,  
0.3508

 3.6218, 0.1270,  
0.4093

305.8395, 0.2664,

 1.4643, 0.0140,

0.3495

0.4589

363.6309, 0.2689,  
0.3484

■ 0.2634, 0.0000,  
0.4305

■ 0.0000, 0.0000,  
0.0000

■ 61.0014, 0.2343,  
0.3636

■ 61.0014, 0.2343,  
0.3636

■ 61.0087, 0.2343,  
0.3636

■ 61.3127, 0.2346,  
0.3599

■ 61.8351, 0.2365,  
0.3561

■ 62.6452, 0.2402,  
0.3523

■ 63.7831, 0.2458,  
0.3485

■ 65.2823, 0.2534,  
0.3448

■ 67.1725, 0.2627,  
0.3413

■ 69.4802, 0.2735,  
0.3379

■ 72.2293, 0.2857,  
0.3347

■ 75.4423, 0.2989,  
0.3317

# Harmonies

## Analogous

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



61.0014, 0.2883, 0.4249



61.0014, 0.2343, 0.3636



61.0014, 0.2029, 0.2970

# Triad

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



61.0014, 0.2343, 0.3636



61.0014, 0.2639, 0.2314



61.0014, 0.4409, 0.3907

# Complementary

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



61.0014, 0.2343, 0.3636



16.8954, 0.6291, 0.3239

# 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.



61.0014, 0.4362, 0.3409



61.0014, 0.2343, 0.3636



61.0014, 0.3273, 0.2544

# Square

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



61.0014, 0.2343, 0.3636



61.0014, 0.2189, 0.2289



61.0014, 0.3929, 0.2930



61.0014, 0.4085, 0.4325

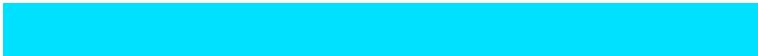


# Rectangle

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



61.0014, 0.2343, 0.3636



61.0014, 0.1967, 0.2628



61.0014, 0.3929, 0.2930



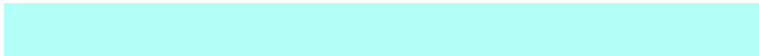
61.0014, 0.4439, 0.3744

# Sweetspot

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



61.0087, 0.2343, 0.3636



87.7400, 0.2733, 0.3379



56.8316, 0.3025, 0.5980



18.5020, 0.2686, 0.3393



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.



61.0087, 0.2343, 0.3636



77.0811, 0.2344, 0.3638



25.0127, 0.1879, 0.1964



16.3080, 0.2996, 0.3316



34.5465, 0.2342, 0.3630



2.5606, 0.2327, 0.3575



# Inverse Universe

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



16.8954, 0.6291, 0.3239



21.3425, 0.6298, 0.3243



23.8328, 0.5767, 0.3803



14.3933, 0.3275, 0.3265



9.5727, 0.6267, 0.3226

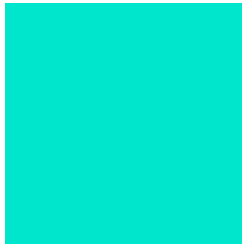


0.7160, 0.5976, 0.3066



# Previews

## White Background



This preview shows how the Yxy color 61.0014, 0.2343, 0.3636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

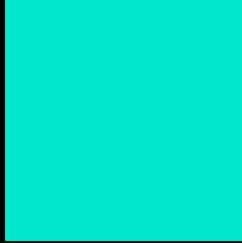
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0014, 0.2343, 0.3636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

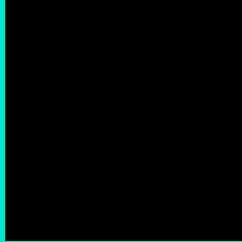
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

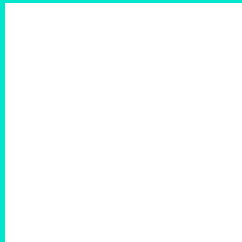
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.0014, 0.2343, 0.3636**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0014, 0.2343, 0.3636.

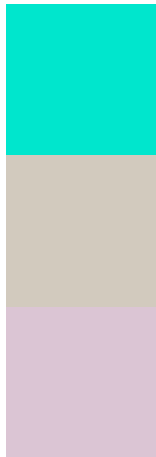


This preview shows how white text looks on a background with the Yxy color 61.0014, 0.2343, 0.3636.

# 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

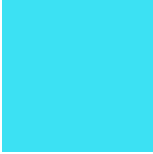
61.0014, 0.2343, 0.3636

### Protanopia

59.6604, 0.3278, 0.3431

### Deuteranopia

59.7460, 0.3190, 0.3121



## Tritanopia

61.2822, 0.2243, 0.3056

# Trichromacy



## Original Color

61.0014, 0.2343, 0.3636



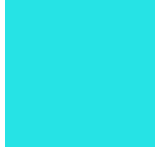
## Protanomaly

56.0954, 0.2710, 0.3517



## Deuteranomaly

55.6933, 0.2655, 0.3289



## Tritanomaly

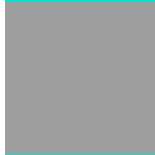
61.0074, 0.2267, 0.3261

# Monochromacy



## Original Color

61.0014, 0.2343, 0.3636



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

40.1428, 0.2583, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  61.0014, 0.2343, 0.3636 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(0, 230, 205)` looks like.

```
.text, #text, p{  
  color:rgb(0, 230, 205)  
}
```

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(0, 230, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0014, 0.2343, 0.3636 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(0, 230, 205) }
```

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

```
.border{ border-color:rgb(0, 230, 205) }
```

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

Here you see how a box with a 4 pixel rgb(0, 230, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0014, 0.2343, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 205) }
```

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

```
.background{ background-color: rgb(0, 230,  
205) }
```

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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