

# Converting Colors

$Yxy(60.9320, 0.2313, 0.3284)$

Have a look what the booklet for  
Yxy(60.9320, 0.2313, 0.3284)  
contains.

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# Color

**Yxy(60.8758, 0.2314, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DE2E2
RGB	61, 226, 226
RGB Percent	24%, 89%, 89%
CMY	0.7610, 0.1137, 0.1138
CMYK	0.73, 0.00, 0.00, 0.11
HSL	180°, 74%, 56%
HSV	180°, 73%, 89%
XYZ	42.8426, 60.8758, 81.4269
YIQ	176.6650, -98.3400, -34.9800

# Conversions

## Conversions Part 2

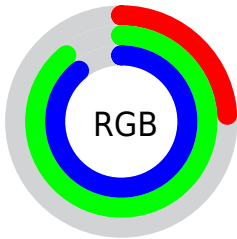
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 144, 226
Decimal	4055778
CIELab	82.31, -40.39, -12.03
CIELCh	82, 42.145, 196.591
Yxy	60.8758, 0.2314, 0.3288
Android (android.graphics.Color)	4282245858 (0xFF3DE2E2)
YUV	176.6650, 24.3222, -101.4382
Hunter-Lab	78.0229, -38.5253, -7.2606

# Details

The Yxy color **60.8758, 0.2314, 0.3288** 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 **19.8384, 0.5630, 0.3297**, and the grayscale version is **43.6826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **31.6897, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **60.3061, 0.2275, 0.3288**, and if you desaturate by 10%, it is **61.7519, 0.2372, 0.3288**.

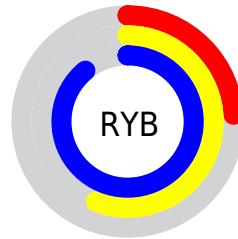
# Distribution



Red (24%)

Green (89%)

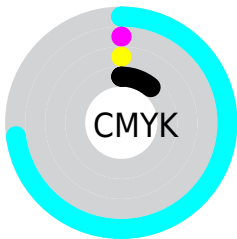
Blue (89%)



Red (24%)

Yellow (56%)

Blue (89%)

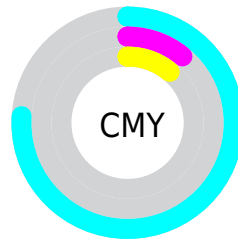


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (76%)

Magenta (11%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8758, 0.2314, 0.3288 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 60.8758, 0.2314, 0.3288 by changing the saturation by 10% instead.




 60.8758, 0.2314,  
0.3288

 60.8758, 0.2314,  
0.3288


427.8185, 0.2692,  
0.3300


 44.1249, 0.2228,  
0.3282


 106.0991, 0.2445,  
0.3295


 30.7687, 0.2123,  
0.3273


 135.3403, 0.2496,  
0.3297

 20.4228, 0.1990,  
0.3259


 169.5138, 0.2540,  
0.3298

 12.7028, 0.1818,  
0.3236

 209.0038, 0.2578,  
0.3299

 7.2242, 0.1590,  
0.3195

254.1950, 0.2612,  
0.3299

 3.6027, 0.1277,  
0.3117

305.4715, 0.2641,

 1.4539, 0.0641,

0.3300

363.2179, 0.2668,  
0.3300

0.3010

0.2559, 0.0000,  
0.1849

0.0000, 0.0000,  
0.0000

60.8758, 0.2314,  
0.3288

60.8758, 0.2314,  
0.3288

60.3061, 0.2275,  
0.3288

61.7519, 0.2372,  
0.3288

59.9952, 0.2254,  
0.3288


62.9613, 0.2449,  
0.3288

59.8871, 0.2247,  
0.3288

64.5358, 0.2545,  
0.3289

66.5013, 0.2658,  
0.3289

 68.8817, 0.2787,  
0.3289

 71.6988, 0.2929,  
0.3289

 74.9728, 0.3080,  
0.3290

 78.7230, 0.3238,  
0.3290

 81.1499, 0.3332,  
0.3291

# Harmonies

## Analogous

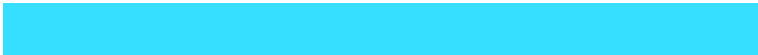
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.8758, 0.2682, 0.3829



60.8758, 0.2314, 0.3288



60.8758, 0.2159, 0.2809

# Triad

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



60.8758, 0.2314, 0.3288



60.8758, 0.2990, 0.2551



60.8758, 0.4084, 0.4012

# Complementary

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



60.8758, 0.2314, 0.3288



19.8384, 0.5630, 0.3297

# 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.



60.8758, 0.4202, 0.3626



60.8758, 0.2314, 0.3288



60.8758, 0.3540, 0.2823

# Square

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



60.8758, 0.2314, 0.3288



60.8758, 0.2521, 0.2438



60.8758, 0.4001, 0.3203



60.8758, 0.3705, 0.4250



# Rectangle

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



60.8758, 0.2314, 0.3288



60.8758, 0.2182, 0.2591



60.8758, 0.4001, 0.3203



60.8758, 0.4157, 0.3894

# Sweetspot

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



60.8781, 0.2314, 0.3288



90.8678, 0.2799, 0.3289



55.8141, 0.3027, 0.5607



19.2517, 0.2762, 0.3289



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.



60.8781, 0.2314, 0.3288



79.0224, 0.2262, 0.3288



27.1099, 0.2014, 0.2103



15.5723, 0.2982, 0.3290



34.1623, 0.2247, 0.3288



2.3680, 0.2247, 0.3288



# Inverse Universe

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



19.8384, 0.5630, 0.3297



22.3163, 0.6203, 0.3299



35.4756, 0.4835, 0.4114



13.7006, 0.3292, 0.3290



9.2244, 0.6401, 0.3300



0.6394, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 60.8758, 0.2314, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

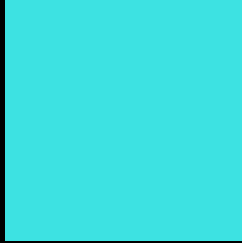
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8758, 0.2314, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

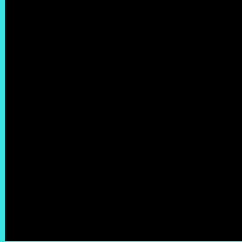
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.8758, 0.2314, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8758, 0.2314, 0.3288.

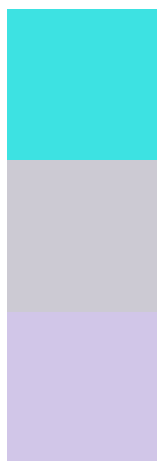


This preview shows how white text looks on a background with the Yxy color 60.8758, 0.2314, 0.3288.

# 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

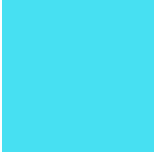
60.8758, 0.2314, 0.3288

### Protanopia

59.7816, 0.3079, 0.3185

### Deuteranopia

59.7697, 0.2971, 0.2909



## **Tritanopia**

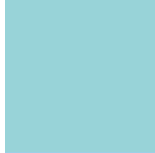
61.0617, 0.2267, 0.3057

# Trichromacy



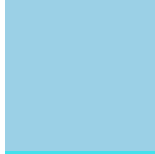
## Original Color

60.8758, 0.2314, 0.3288



## Protanomaly

58.2218, 0.2695, 0.3226



## Deuteranomaly

57.7935, 0.2629, 0.3018



## Tritanomaly

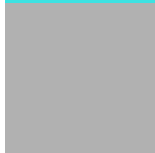
61.0998, 0.2284, 0.3145

# Monochromacy



## Original Color

60.8758, 0.2314, 0.3288



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.1212, 0.2690, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8758, 0.2314, 0.3288 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(61, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(61, 226, 226)  
}
```

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(61, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8758, 0.2314, 0.3288 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(61, 226, 226) }
```

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

```
.border{ border-color:rgb(61, 226, 226) }
```

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

Here you see how a box with a 4 pixel rgb(61, 226, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(61, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8758, 0.2314, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 226, 226) }
```

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

```
.background{ background-color: rgb(61, 226,  
226) }
```

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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