

# Converting Colors

$Y_{xy}(60.3547, 0.2274, 0.3284)$

Have a look what the booklet for  
Yxy(60.3547, 0.2274, 0.3284)  
contains.

<b>Yxy(60.2958, 0.2275, 0.3287)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(60.2958, 0.2275, 0.3287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26E2E2
RGB	38, 226, 226
RGB Percent	15%, 89%, 89%
CMY	0.8501, 0.1138, 0.1136
CMYK	0.83, 0.00, 0.00, 0.11
HSL	180°, 76%, 52%
HSV	180°, 83%, 89%
XYZ	41.7320, 60.2958, 81.4094
YIQ	169.7880, -112.0480, -39.8560

# Conversions

## Conversions Part 2

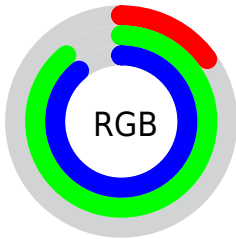
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 132, 226
Decimal	2548450
CIE <sub>Lab</sub>	82.00, -42.38, -12.56
CIE <sub>LCh</sub>	82, 44.204, 196.509
Yxy	60.2958, 0.2275, 0.3287
Android (android.graphics.Color)	4280738530 (0xFF26E2E2)
YUV	169.7880, 27.7125, -115.5781
Hunter-Lab	77.6504, -39.9562, -7.8050

# Details

The Yxy color **60.2958, 0.2275, 0.3287** 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 **17.7182, 0.6038, 0.3299**, and the grayscale version is **40.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **31.6897, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **59.9862, 0.2254, 0.3287**, and if you desaturate by 10%, it is **60.8707, 0.2314, 0.3287**.

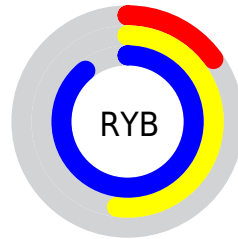
# Distribution



Red (15%)

Green (89%)

Blue (89%)



Red (15%)

Yellow (52%)

Blue (89%)

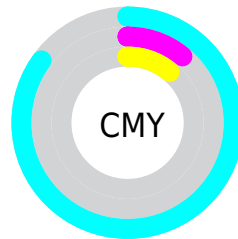


Cyan (83%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (85%)

Magenta (11%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2958, 0.2275, 0.3287 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 60.2958, 0.2275, 0.3287 by changing the saturation by 10% instead.




 60.2958, 0.2275,  
0.3287


 60.2958, 0.2275,  
0.3287


425.6872, 0.2671,  
0.3301

 43.6571, 0.2185,  
0.3280

 105.2586, 0.2412,  
0.3295

 30.4010, 0.2075,  
0.3270


 134.3516, 0.2465,  
0.3297

 20.1432, 0.1936,  
0.3255


 168.3647, 0.2511,  
0.3298

 12.4992, 0.1758,  
0.3229

 207.6824, 0.2551,  
0.3299

 7.0846, 0.1521,  
0.3183

 252.6892, 0.2587,  
0.3300

 3.5151, 0.1198,  
0.3096

303.7693, 0.2618,

 1.4062, 0.0485,

0.3300

0.2993

361.3072, 0.2646,  
0.3301

■ 0.2213, 0.0000,  
0.1640

■ 0.0000, 0.0000,  
0.0000

■ 60.2958, 0.2275,  
0.3287

■ 60.2958, 0.2275,  
0.3287

■ 59.9862, 0.2254,  
0.3287

■ 60.8707, 0.2314,  
0.3287

■ 59.8777, 0.2246,  
0.3287

■ 61.7451, 0.2371,  
0.3287

■ 62.9551, 0.2448,  
0.3288

■ 64.5300, 0.2544,  
0.3288

66.4960, 0.2658,  
0.3288

68.8767, 0.2786,  
0.3289

71.6942, 0.2928,  
0.3289

74.9686, 0.3079,  
0.3290

78.7190, 0.3237,  
0.3290

# Harmonies

## Analogous

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



60.2958, 0.2659, 0.3861



60.2958, 0.2275, 0.3287



60.2958, 0.2114, 0.2783

# Triad

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



60.2958, 0.2275, 0.3287



60.2958, 0.2980, 0.2517



60.2958, 0.4132, 0.4043

# Complementary

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



60.2958, 0.2275, 0.3287



17.7182, 0.6038, 0.3299

# 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.



60.2958, 0.4258, 0.3636



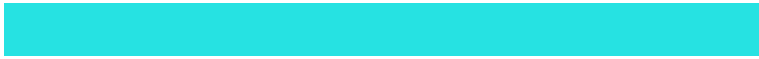
60.2958, 0.2275, 0.3287



60.2958, 0.3559, 0.2800

# Square

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



60.2958, 0.2275, 0.3287



60.2958, 0.2490, 0.2399



60.2958, 0.4046, 0.3195



60.2958, 0.3732, 0.4299



# Rectangle

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



60.2958, 0.2275, 0.3287



60.2958, 0.2138, 0.2556



60.2958, 0.4046, 0.3195



60.2958, 0.4209, 0.3918

# Sweetspot

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



60.2980, 0.2275, 0.3287



89.8412, 0.2759, 0.3289



54.9660, 0.3008, 0.5829



18.9880, 0.2712, 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.



60.2980, 0.2275, 0.3287



78.7097, 0.2246, 0.3287



22.4470, 0.1895, 0.1865



15.5719, 0.2982, 0.3290



34.1508, 0.2246, 0.3287



2.3673, 0.2246, 0.3287



# Inverse Universe

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



23.0651, 0.3206, 0.1615



28.4769, 0.3210, 0.1542



32.8527, 0.5067, 0.4162



13.9356, 0.3138, 0.3059



12.3556, 0.3210, 0.1542

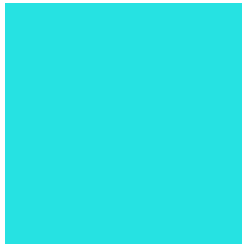


0.8564, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 60.2958, 0.2275, 0.3287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

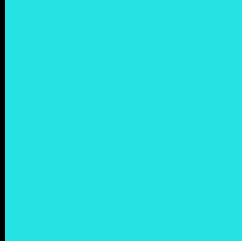
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2958, 0.2275, 0.3287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

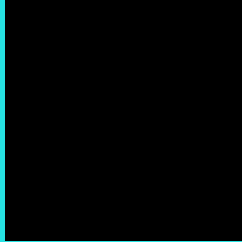
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.2958, 0.2275, 0.3287**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2958, 0.2275, 0.3287.

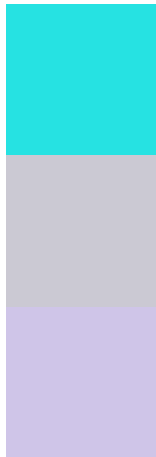


This preview shows how white text looks on a background with the Yxy color 60.2958, 0.2275, 0.3287.

# 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

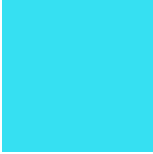
60.2958, 0.2275, 0.3287

### Protanopia

59.1729, 0.3071, 0.3173

### Deuteranopia

59.0241, 0.2956, 0.2895



## Tritanopia

60.5064, 0.2232, 0.3055

# Trichromacy



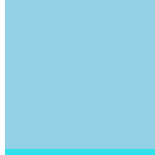
## Original Color

60.2958, 0.2275, 0.3287



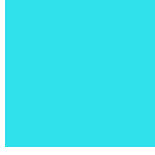
## Protanomaly

56.8907, 0.2640, 0.3212



## Deuteranomaly

56.9359, 0.2578, 0.3014



## Tritanomaly

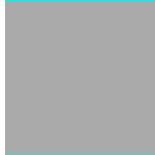
60.5349, 0.2248, 0.3143

# Monochromacy



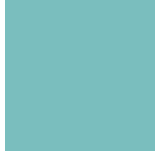
## Original Color

60.2958, 0.2275, 0.3287



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

44.6822, 0.2630, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2958, 0.2275, 0.3287 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(38, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(38, 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(38, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2958, 0.2275, 0.3287 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(38, 226, 226) }
```

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

```
.border{ border-color:rgb(38, 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(38, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(38, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2958, 0.2275, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 226, 226) }
```

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

```
.background{ background-color: rgb(38, 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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