

# Converting Colors

$Yxy(61.8639, 0.2762, 0.3389)$

Have a look what the booklet for  
Yxy(61.8639, 0.2762, 0.3389)  
contains.

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# Color

**Yxy(61.8639, 0.2762, 0.3389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CDAD2
RGB	156, 218, 210
RGB Percent	61%, 85%, 82%
CMY	0.3881, 0.1451, 0.1764
CMYK	0.28, 0.00, 0.04, 0.15
HSL	172°, 46%, 73%
HSV	172°, 28%, 85%
XYZ	50.4184, 61.8639, 70.2609
YIQ	198.5500, -34.3840, -15.6320

# Conversions

## Conversions Part 2

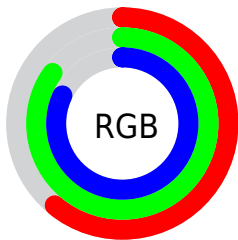
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 189, 218
Decimal	10279634
CIELab	82.84, -21.29, -2.41
CIELCh	83, 21.425, 186.466
Yxy	61.8639, 0.2762, 0.3389
Android (android.graphics.Color)	4288469714 (0xFF9CDAD2)
YUV	198.5500, 5.6449, -37.3163
Hunter-Lab	78.6536, -23.2220, 2.0941

# Details

The Yxy color **61.8639, 0.2762, 0.3389** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3714, 0.3669, 0.3195**, and the grayscale version is **56.8092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **31.4195, 0.2665, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **59.7439, 0.2653, 0.3429**, and if you desaturate by 10%, it is **64.3816, 0.2883, 0.3351**.

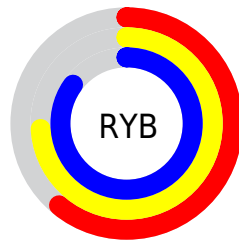
# Distribution



Red (61%)

Green (85%)

Blue (82%)



Red (61%)

Yellow (74%)

Blue (85%)

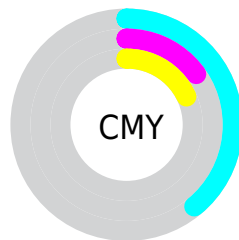


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (15%)



Cyan (39%)

Magenta (15%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8639, 0.2762, 0.3389 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 61.8639, 0.2762, 0.3389 by changing the saturation by 10% instead.



61.8639, 0.2762,  
0.3389

61.8639, 0.2762,  
0.3389

431.4345, 0.2935,  
0.3343

44.9227, 0.2722,  
0.3399

107.5288, 0.2823,  
0.3373

31.3966, 0.2671,  
0.3412

137.0213, 0.2846,  
0.3367

20.9010, 0.2606,  
0.3428

171.4664, 0.2866,  
0.3362

13.0517, 0.2520,  
0.3449

211.2485, 0.2884,  
0.3357

7.4641, 0.2401,  
0.3478

256.7520, 0.2899,  
0.3353

3.7540, 0.2223,  
0.3518

308.3612, 0.2912,

1.5369, 0.1935,

0.3349

0.3576

366.4606, 0.2924,  
0.3346

■ 0.3145, 0.0000,  
0.3809

■ 0.0000, 0.0000,  
0.0000

■ 61.8639, 0.2762,  
0.3389

■ 61.8639, 0.2762,  
0.3389

■ 59.7439, 0.2653,  
0.3429

■ 64.3816, 0.2883,  
0.3351

■ 57.9934, 0.2559,  
0.3471

■ 67.3089, 0.3013,  
0.3317

■ 56.5918, 0.2482,  
0.3515

■ 70.6664, 0.3149,  
0.3285

■ 55.5139, 0.2424,  
0.3560

■ 74.4710, 0.3289,  
0.3257

■ 54.7308, 0.2385,  
0.3606

■ 76.7877, 0.3355,  
0.3230

■ 54.2087, 0.2365,  
0.3651

■ 76.9415, 0.3336,  
0.3202

■ 53.8968, 0.2362,  
0.3696

■ 77.0979, 0.3316,  
0.3174

■ 53.8554, 0.2362,  
0.3703

■ 77.2568, 0.3296,  
0.3146

■ 77.4183, 0.3277,  
0.3119

# Harmonies

## Analogous

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



61.8639, 0.2991, 0.3626



61.8639, 0.2762, 0.3389



61.8639, 0.2631, 0.3133

# Triad

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



61.8639, 0.2762, 0.3389



61.8639, 0.2973, 0.2864



61.8639, 0.3651, 0.3619

# Complementary

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



61.8639, 0.2762, 0.3389



41.3714, 0.3669, 0.3195

# 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.



61.8639, 0.3650, 0.3409



61.8639, 0.2762, 0.3389



61.8639, 0.3249, 0.2986

# Square

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



61.8639, 0.2762, 0.3389



61.8639, 0.2749, 0.2844



61.8639, 0.3500, 0.3181



61.8639, 0.3508, 0.3754



# Rectangle

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



61.8639, 0.2762, 0.3389



61.8639, 0.2614, 0.2992



61.8639, 0.3500, 0.3181



61.8639, 0.3668, 0.3555

# Sweetspot

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



61.8664, 0.2762, 0.3389



95.7150, 0.3004, 0.3319



60.4668, 0.3147, 0.4097



20.3489, 0.2985, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

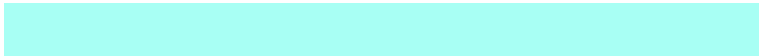


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.8664, 0.2762, 0.3389



86.3986, 0.2696, 0.3412



51.2860, 0.2686, 0.2998



14.7992, 0.2999, 0.3320



32.2765, 0.2360, 0.3696



2.0993, 0.2340, 0.3623



# Inverse Universe

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



41.3714, 0.3669, 0.3195



52.6503, 0.3828, 0.3175



49.4460, 0.3675, 0.3564



13.0787, 0.3271, 0.3260



8.9892, 0.6228, 0.3205



0.5915, 0.5863, 0.3003



# Previews

## White Background



This preview shows how the Yxy color 61.8639, 0.2762, 0.3389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

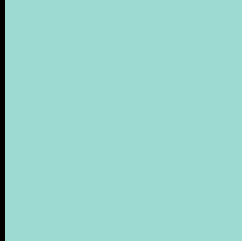
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8639, 0.2762, 0.3389 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

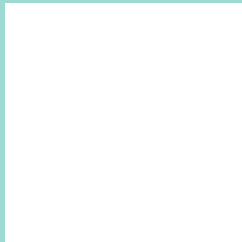
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.8639, 0.2762, 0.3389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8639, 0.2762, 0.3389.

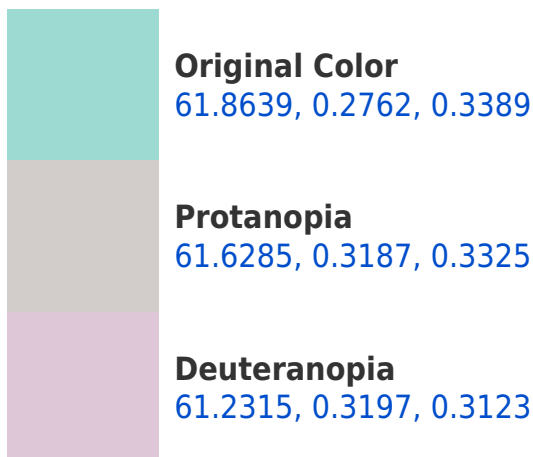


This preview shows how white text looks on a background with the Yxy color 61.8639, 0.2762, 0.3389.

# 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

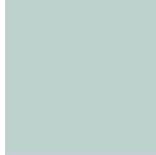
62.0041, 0.2664, 0.3084

# Trichromacy



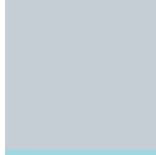
## Original Color

61.8639, 0.2762, 0.3389



## Protanomaly

61.4481, 0.3014, 0.3350



## Deuteranomaly

60.9525, 0.3019, 0.3208



## Tritanomaly

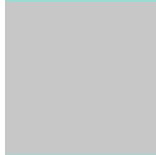
61.8645, 0.2698, 0.3191

# Monochromacy



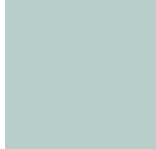
## Original Color

61.8639, 0.2762, 0.3389



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

58.5217, 0.2977, 0.3326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8639, 0.2762, 0.3389 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(156, 218, 210)` looks like.

```
.text, #text, p{  
    color:rgb(156, 218, 210)  
}
```

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(156, 218, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 218, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8639, 0.2762, 0.3389 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(156, 218, 210) }
```

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

```
.border{ border-color:rgb(156, 218, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 218, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 218, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 218, 210);  
box-shadow:4px 4px 4px 4px rgb(156, 218,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8639, 0.2762, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 218, 210) }
```

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

```
.background{ background-color: rgb(156,  
218, 210) }
```

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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