

# Converting Colors

$Yxy(60.1413, 0.2928, 0.3439)$

Have a look what the booklet for  
Yxy(60.1413, 0.2928, 0.3439)  
contains.

<b>Yxy(60.1413, 0.2928, 0.3439)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.1413, 0.2928, 0.3439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADD4C8
RGB	173, 212, 200
RGB Percent	68%, 83%, 78%
CMY	0.3214, 0.1686, 0.2158
CMYK	0.18, 0.00, 0.06, 0.17
HSL	161°, 31%, 75%
HSV	161°, 18%, 83%
XYZ	51.2049, 60.1413, 63.5340
YIQ	198.9710, -19.3920, -12.0000

# Conversions

## Conversions Part 2

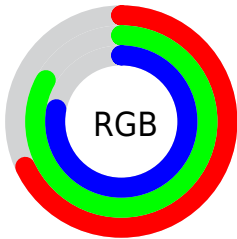
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 196, 212
Decimal	11392200
CIELab	81.91, -15.20, 1.69
CIELCh	82, 15.297, 173.648
Yxy	60.1413, 0.2928, 0.3439
Android (android.graphics.Color)	4289582280 (0xFFADD4C8)
YUV	198.9710, 0.5073, -22.7766
Hunter-Lab	77.5508, -17.8547, 5.7119

# Details

The Yxy color **60.1413, 0.2928, 0.3439** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4032, 0.3376, 0.3146**, and the grayscale version is **57.1042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **30.1823, 0.2877, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **57.6156, 0.2828, 0.3532**, and if you desaturate by 10%, it is **63.0686, 0.3035, 0.3355**.

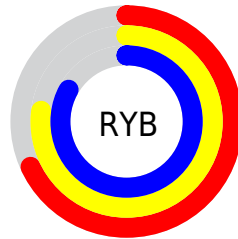
# Distribution



Red (68%)

Green (83%)

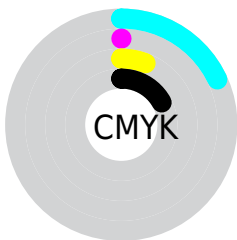
Blue (78%)



Red (68%)

Yellow (77%)

Blue (83%)

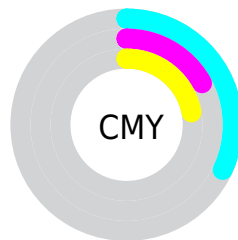


Cyan (18%)

Magenta (0%)

Yellow (6%)

Black (17%)



Cyan (32%)

Magenta (17%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1413, 0.2928, 0.3439 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 60.1413, 0.2928, 0.3439 by changing the saturation by 10% instead.



 60.1413, 0.2928,  
0.3439

 60.1413, 0.2928,  
0.3439


425.1184, 0.3024,  
0.3367

 43.5325, 0.2905,  
0.3456


 105.0346, 0.2962,  
0.3413

 30.3032, 0.2877,  
0.3478


134.0880, 0.2975,  
0.3404

 20.0688, 0.2840,  
0.3506


168.0583, 0.2986,  
0.3395

 12.4451, 0.2790,  
0.3544

207.3300, 0.2995,  
0.3388

 7.0476, 0.2719,  
0.3599

252.2874, 0.3004,  
0.3382

 3.4919, 0.2611,  
0.3682

303.3151, 0.3011,

 1.3936, 0.2427,

0.3376

360.7973, 0.3018,  
0.3372

0.3829

0.2120, 0.0000,  
0.6533

0.0000, 0.0000,  
0.0000

60.1413, 0.2928,  
0.3439

60.1413, 0.2928,  
0.3439

57.6156, 0.2828,  
0.3532

63.0686, 0.3035,  
0.3355

55.4658, 0.2737,  
0.3632

66.4070, 0.3145,  
0.3278

53.6747, 0.2659,  
0.3739

70.1750, 0.3257,  
0.3210

52.2208, 0.2597,  
0.3851

73.8461, 0.3348,  
0.3148

■ 51.0804, 0.2552,  
0.3968

■ 74.2126, 0.3301,  
0.3084

■ 50.2265, 0.2527,  
0.4086

■ 74.5930, 0.3255,  
0.3020

■ 49.6271, 0.2523,  
0.4204

■ 74.9875, 0.3210,  
0.2957

■ 49.2347, 0.2536,  
0.4320

■ 75.3961, 0.3165,  
0.2896

■ 49.1793, 0.2539,  
0.4339

■ 75.5668, 0.3147,  
0.2871

# Harmonies

## Analogous

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



60.1413, 0.3114, 0.3581



60.1413, 0.2928, 0.3439



60.1413, 0.2797, 0.3256

# Triad

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



60.1413, 0.2928, 0.3439



60.1413, 0.2940, 0.2962



60.1413, 0.3517, 0.3472

# Complementary

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



60.1413, 0.2928, 0.3439



47.4032, 0.3376, 0.3146

# 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.



60.1413, 0.3468, 0.3308



60.1413, 0.2928, 0.3439



60.1413, 0.3130, 0.3021

# Square

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



60.1413, 0.2928, 0.3439



60.1413, 0.2804, 0.2986



60.1413, 0.3325, 0.3146



60.1413, 0.3457, 0.3594



# Rectangle

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



60.1413, 0.2928, 0.3439



60.1413, 0.2757, 0.3141



60.1413, 0.3325, 0.3146



60.1413, 0.3513, 0.3420

# Sweetspot

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



60.1438, 0.2928, 0.3439



96.9123, 0.3060, 0.3336



60.4662, 0.3196, 0.3775



20.6743, 0.3053, 0.3341



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

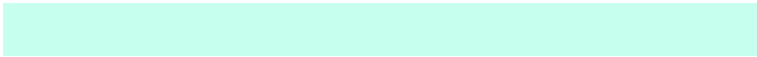


# Same Dimension

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



60.1438, 0.2928, 0.3439



89.8027, 0.2889, 0.3474



57.2356, 0.2848, 0.3201



14.0395, 0.3023, 0.3363



30.3796, 0.2534, 0.4322



1.8469, 0.2478, 0.4121



# Inverse Universe

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



47.4032, 0.3376, 0.3146



67.0301, 0.3441, 0.3114



49.7302, 0.3467, 0.3377



12.4833, 0.3243, 0.3218



8.8958, 0.5717, 0.2923



0.5512, 0.5221, 0.2650



# Previews

## White Background



This preview shows how the Yxy color 60.1413, 0.2928, 0.3439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

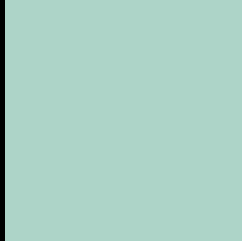
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1413, 0.2928, 0.3439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

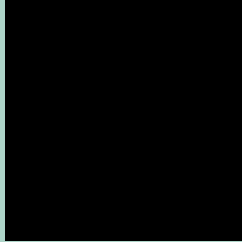
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

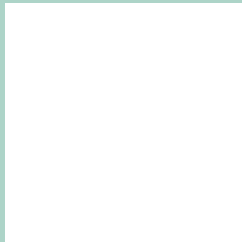
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.1413, 0.2928, 0.3439**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1413, 0.2928, 0.3439.



This preview shows how white text looks on a background with the Yxy color 60.1413, 0.2928, 0.3439.

# 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

60.1413, 0.2928, 0.3439

### Protanopia

59.7365, 0.3233, 0.3372

### Deuteranopia

59.9323, 0.3290, 0.3223



## Tritanopia

60.0130, 0.2803, 0.3086

# Trichromacy



## Original Color

60.1413, 0.2928, 0.3439

## Protanomaly

59.9096, 0.3115, 0.3398

## Deuteranomaly

59.4845, 0.3150, 0.3290

## Tritanomaly

59.7889, 0.2846, 0.3204

# Monochromacy



## Original Color

60.1413, 0.2928, 0.3439

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.2564, 0.3056, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  60.1413, 0.2928, 0.3439 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(173, 212, 200)` looks like.

```
.text, #text, p{  
    color:rgb(173, 212, 200)  
}
```

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(173, 212, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 212, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1413, 0.2928, 0.3439 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(173, 212, 200) }
```

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

```
.border{ border-color:rgb(173, 212, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 212, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 212, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 212, 200);  
box-shadow:4px 4px 4px 4px rgb(173, 212,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1413, 0.2928, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 212, 200) }
```

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

```
.background{ background-color: rgb(173,  
212, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor