

# Converting Colors

$Yxy(61.2999, 0.2855, 0.3425)$

Have a look what the booklet for  
Yxy(61.2999, 0.2855, 0.3425)  
contains.

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# Color

**Yxy(61.1156, 0.2851, 0.3414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6D7CD
RGB	166, 215, 205
RGB Percent	65%, 84%, 80%
CMY	0.3492, 0.1568, 0.1961
CMYK	0.23, 0.00, 0.05, 0.16
HSL	168°, 38%, 75%
HSV	168°, 23%, 84%
XYZ	51.0371, 61.1156, 66.8620
YIQ	199.2090, -25.9940, -13.4980

# Conversions

## Conversions Part 2

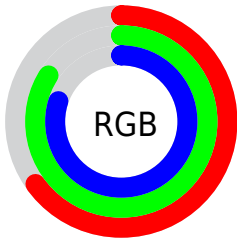
Format	Color
R <sub>YB</sub>	166, 193, 215
Decimal	10934221
CIE Lab	82.44, -17.92, -0.27
CIE LCh	82, 17.917, 180.862
Yxy	61.1156, 0.2851, 0.3414
Android (android.graphics.Color)	4289124301 (0xFFA6D7CD)
YUV	199.2090, 2.8550, -29.1243
Hunter-Lab	78.1765, -20.2761, 4.0146

# Details

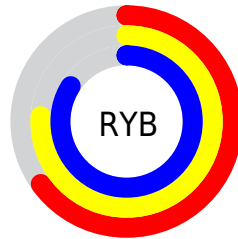
The Yxy color **61.1156, 0.2851, 0.3414** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8365, 0.3499, 0.3170**, and the grayscale version is **57.2372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **30.8867, 0.2781, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **58.7772, 0.2743, 0.3476**, and if you desaturate by 10%, it is **63.8533, 0.2968, 0.3356**.

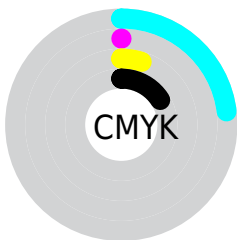
# Distribution



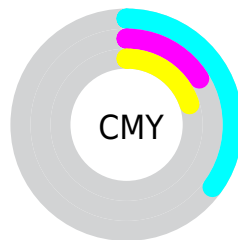
- Red (65%)
- Green (84%)
- Blue (80%)



- Red (65%)
- Yellow (76%)
- Blue (84%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)




- Cyan (35%)
- Magenta (16%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1156, 0.2851, 0.3414 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 61.1156, 0.2851, 0.3414 by changing the saturation by 10% instead.




 61.1156, 0.2851,  
0.3414

 61.1156, 0.2851,  
0.3414


428.6977, 0.2983,  
0.3355

 44.3185, 0.2820,  
0.3428

 106.4463, 0.2897,  
0.3393

 30.9210, 0.2781,  
0.3445


 135.7487, 0.2915,  
0.3385

 20.5387, 0.2731,  
0.3468


169.9882, 0.2931,  
0.3378

 12.7872, 0.2664,  
0.3497

209.5494, 0.2944,  
0.3373

 7.2822, 0.2570,  
0.3539

254.8165, 0.2955,  
0.3367

 3.6392, 0.2429,  
0.3602

306.1740, 0.2965,

 1.4739, 0.2193,

0.3363

364.0063, 0.2974,  
0.3359

0.3706

0.2702, 0.0000,  
0.4633

0.0000, 0.0000,  
0.0000

61.1156, 0.2851,  
0.3414

61.1156, 0.2851,  
0.3414

58.7772, 0.2743,  
0.3476

63.8533, 0.2968,  
0.3356

56.8114, 0.2648,  
0.3543

67.0010, 0.3092,  
0.3304

55.1996, 0.2567,  
0.3613

70.5778, 0.3219,  
0.3257

53.9186, 0.2504,  
0.3686

74.5999, 0.3347,  
0.3214

■ 52.9427, 0.2460,  
0.3760

■ 75.4121, 0.3339,  
0.3171

■ 52.2421, 0.2435,  
0.3835

■ 75.6576, 0.3308,  
0.3127

■ 51.7808, 0.2429,  
0.3910

■ 75.9093, 0.3277,  
0.3084

■ 51.5537, 0.2434,  
0.3963

■ 76.1672, 0.3246,  
0.3042

■ 76.4315, 0.3216,  
0.3000

# Harmonies

## Analogous

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



61.1156, 0.3056, 0.3599



61.1156, 0.2851, 0.3414



61.1156, 0.2721, 0.3199

# Triad

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



61.1156, 0.2851, 0.3414



61.1156, 0.2958, 0.2919



61.1156, 0.3576, 0.3540

# Complementary

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



61.1156, 0.2851, 0.3414



44.8365, 0.3499, 0.3170

# 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.



61.1156, 0.3550, 0.3357



61.1156, 0.2851, 0.3414



61.1156, 0.3187, 0.3007

# Square

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



61.1156, 0.2851, 0.3414



61.1156, 0.2782, 0.2921



61.1156, 0.3405, 0.3165



61.1156, 0.3478, 0.3666



# Rectangle

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



61.1156, 0.2851, 0.3414



61.1156, 0.2692, 0.3072



61.1156, 0.3405, 0.3165



61.1156, 0.3582, 0.3483

# Sweetspot

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



61.1181, 0.2851, 0.3414



96.5378, 0.3039, 0.3326



60.6581, 0.3175, 0.3912



20.6023, 0.3031, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

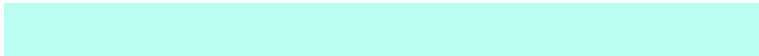


# Same Dimension

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



61.1181, 0.2851, 0.3414



88.3254, 0.2802, 0.3441



54.8348, 0.2778, 0.3115



14.0624, 0.3009, 0.3338



30.8459, 0.2431, 0.3952



1.8717, 0.2395, 0.3824



# Inverse Universe

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



44.8365, 0.3499, 0.3170



60.6209, 0.3595, 0.3146



49.7832, 0.3557, 0.3459



12.4619, 0.3259, 0.3243



8.7617, 0.6051, 0.3107

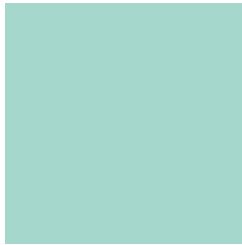


0.5406, 0.5568, 0.2841



# Previews

## White Background



This preview shows how the Yxy color 61.1156, 0.2851, 0.3414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

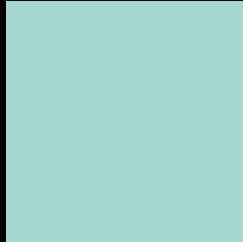
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.1156, 0.2851, 0.3414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

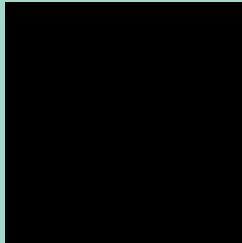
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

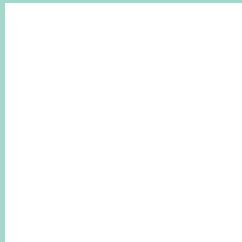
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.1156, 0.2851, 0.3414**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1156, 0.2851, 0.3414.

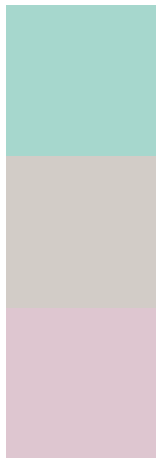


This preview shows how white text looks on a background with the Yxy color 61.1156, 0.2851, 0.3414.

# 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

61.1156, 0.2851, 0.3414

### Protanopia

61.0109, 0.3209, 0.3348

### Deuteranopia

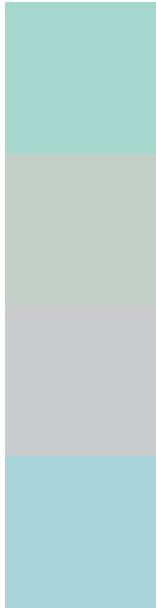
60.4718, 0.3243, 0.3178



## Tritanopia

60.8479, 0.2743, 0.3085

# Trichromacy



**Original Color**

61.1156, 0.2851, 0.3414

**Protanomaly**

60.7981, 0.3071, 0.3374

**Deuteranomaly**

60.2473, 0.3091, 0.3255

**Tritanomaly**

60.6893, 0.2778, 0.3192

# Monochromacy



**Original Color**

61.1156, 0.2851, 0.3414

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

58.4445, 0.3020, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1156, 0.2851, 0.3414 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(166, 215, 205)` looks like.

```
.text, #text, p{  
    color:rgb(166, 215, 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(166, 215, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 215, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1156, 0.2851, 0.3414 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(166, 215, 205) }
```

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

```
.border{ border-color:rgb(166, 215, 205) }
```

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

Here you see how a box with a 4 pixel rgb(166, 215, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 215, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 215, 205);  
box-shadow:4px 4px 4px 4px rgb(166, 215,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1156, 0.2851, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 215, 205) }
```

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

```
.background{ background-color: rgb(166,  
215, 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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