

# Converting Colors

Yxy(62.7448, 0.2833, 0.3485)

Have a look what the booklet for  
Yxy(62.7448, 0.2833, 0.3485)  
contains.

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# Color

**Yxy(62.5997, 0.2829, 0.3477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1DBCC
RGB	161, 219, 204
RGB Percent	63%, 86%, 80%
CMY	0.3684, 0.1412, 0.2001
CMYK	0.26, 0.00, 0.07, 0.14
HSL	164°, 45%, 75%
HSV	164°, 26%, 86%
XYZ	50.9331, 62.5997, 66.5066
YIQ	199.9480, -29.7530, -16.9610

# Conversions

## Conversions Part 2

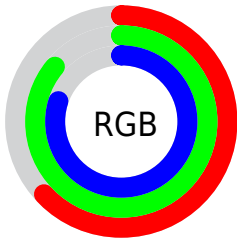
Format	Color
R <sub>YB</sub>	161, 194, 219
Decimal	10607564
CIE Lab	83.23, -21.60, 1.40
CIE LCh	83, 21.643, 176.304
Yxy	62.5997, 0.2829, 0.3477
Android (android.graphics.Color)	4288797644 (0xFFA1DBCC)
YUV	199.9480, 1.9976, -34.1574
Hunter-Lab	79.1200, -23.5513, 5.5461

# Details

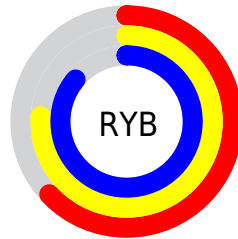
The Yxy color **62.5997, 0.2829, 0.3477** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7052, 0.3547, 0.3112**, and the grayscale version is **57.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **31.9411, 0.2755, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **60.2544, 0.2731, 0.3559**, and if you desaturate by 10%, it is **65.3586, 0.2937, 0.3401**.

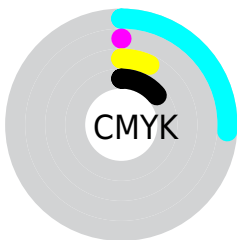
# Distribution



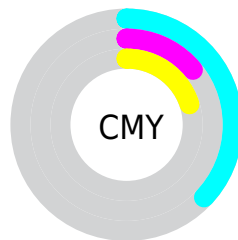
- Red (63%)
- Green (86%)
- Blue (80%)



- Red (63%)
- Yellow (76%)
- Blue (86%)



- Cyan (26%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)




- Cyan (37%)
- Magenta (14%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5997, 0.2829, 0.3477 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 62.5997, 0.2829, 0.3477 by changing the saturation by 10% instead.





 62.5997, 0.2829,  
0.3477

 62.5997, 0.2829,  
0.3477


434.1153, 0.2971,  
0.3388

 45.5174, 0.2796,  
0.3498


 108.5918, 0.2879,  
0.3445

 31.8652, 0.2754,  
0.3525

 138.2704, 0.2898,  
0.3433

 21.2586, 0.2700,  
0.3559

172.9166, 0.2915,  
0.3423

 13.3131, 0.2628,  
0.3605

212.9148, 0.2929,  
0.3414

 7.6445, 0.2528,  
0.3670

258.6494, 0.2941,  
0.3406

 3.8683, 0.2377,  
0.3768

310.5047, 0.2952,

 1.6002, 0.2127,

0.3399

0.3935

368.8652, 0.2962,  
0.3393

0.3577, 0.0000,  
0.5506

0.0000, 0.0000,  
0.0000

62.5997, 0.2829,  
0.3477

62.5997, 0.2829,  
0.3477

60.2544, 0.2731,  
0.3559

65.3586, 0.2937,  
0.3401

58.2940, 0.2646,  
0.3647

68.5428, 0.3051,  
0.3331


56.6985, 0.2576,  
0.3740


72.1728, 0.3169,  
0.3269

55.4425, 0.2524,  
0.3835

76.2659, 0.3289,  
0.3212

 54.4977, 0.2491,  
0.3933


 77.7684, 0.3296,  
0.3157


 53.8308, 0.2478,  
0.4030


 78.0971, 0.3257,  
0.3102

 53.3999, 0.2485,  
0.4127

 78.4363, 0.3219,  
0.3047

 53.2776, 0.2489,  
0.4161

 78.7861, 0.3181,  
0.2993

 79.1415, 0.3144,  
0.2940

# Harmonies

## Analogous

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



62.5997, 0.3082, 0.3689



62.5997, 0.2829, 0.3477



62.5997, 0.2659, 0.3216

# Triad

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



62.5997, 0.2829, 0.3477



62.5997, 0.2887, 0.2842



62.5997, 0.3672, 0.3555

# Complementary

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



62.5997, 0.2829, 0.3477



43.7052, 0.3547, 0.3112

# 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.



62.5997, 0.3617, 0.3332



62.5997, 0.2829, 0.3477



62.5997, 0.3154, 0.2932

# Square

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



62.5997, 0.2829, 0.3477



62.5997, 0.2692, 0.2860



62.5997, 0.3425, 0.3108



62.5997, 0.3573, 0.3723



# Rectangle

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



62.5997, 0.2829, 0.3477



62.5997, 0.2612, 0.3058



62.5997, 0.3425, 0.3108



62.5997, 0.3671, 0.3484

# Sweetspot

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



62.6023, 0.2829, 0.3477



95.9981, 0.3032, 0.3342



62.5255, 0.3202, 0.4021



20.3963, 0.3015, 0.3352



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.



62.6023, 0.2829, 0.3477



86.3813, 0.2771, 0.3524



56.5878, 0.2726, 0.3120



14.7689, 0.3016, 0.3351



31.6108, 0.2485, 0.4147



2.0617, 0.2441, 0.3989



# Inverse Universe

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



43.7052, 0.3547, 0.3112



55.2210, 0.3674, 0.3071



48.1285, 0.3652, 0.3453



13.1067, 0.3251, 0.3230



9.1191, 0.5889, 0.3018



0.6048, 0.5421, 0.2760



# Previews

## White Background



This preview shows how the Yxy color 62.5997, 0.2829, 0.3477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

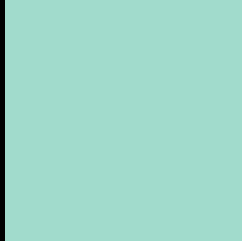
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5997, 0.2829, 0.3477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

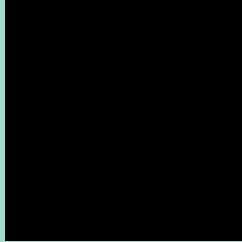
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

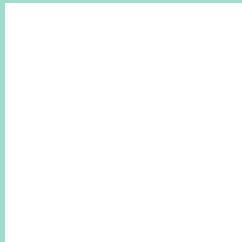
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.5997, 0.2829, 0.3477**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5997, 0.2829, 0.3477.

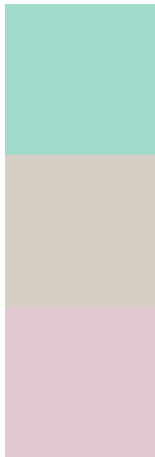


This preview shows how white text looks on a background with the Yxy color 62.5997, 0.2829, 0.3477.

# 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

62.5997, 0.2829, 0.3477

### Protanopia

62.3200, 0.3245, 0.3394

### Deuteranopia

62.0314, 0.3273, 0.3202



## Tritanopia

62.6426, 0.2700, 0.3086

# Trichromacy



## Original Color

62.5997, 0.2829, 0.3477

## Protanomaly

62.2280, 0.3077, 0.3421

## Deuteranomaly

61.6872, 0.3090, 0.3290

## Tritanomaly

62.3850, 0.2745, 0.3216

# Monochromacy



## Original Color

62.5997, 0.2829, 0.3477

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

59.2818, 0.3012, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5997, 0.2829, 0.3477 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(161, 219, 204)` looks like.

```
.text, #text, p{  
    color:rgb(161, 219, 204)  
}
```

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(161, 219, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 219, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5997, 0.2829, 0.3477 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(161, 219, 204) }
```

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

```
.border{ border-color:rgb(161, 219, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 219, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 219, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 219, 204);  
box-shadow:4px 4px 4px 4px rgb(161, 219,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5997, 0.2829, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 219, 204) }
```

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

```
.background{ background-color: rgb(161,  
219, 204) }
```

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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