

# Converting Colors

$Yxy(64.8657, 0.2942, 0.3607)$

Have a look what the booklet for  
Yxy(64.8657, 0.2942, 0.3607)  
contains.

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# Color

**Yxy(64.8860, 0.2942, 0.3610)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABDEC4
RGB	171, 222, 196
RGB Percent	67%, 87%, 77%
CMY	0.3295, 0.1294, 0.2313
CMYK	0.23, 0.00, 0.12, 0.13
HSL	149°, 44%, 77%
HSV	149°, 23%, 87%
XYZ	52.8794, 64.8860, 61.9742
YIQ	203.7870, -22.0500, -18.8980

# Conversions

## Conversions Part 2

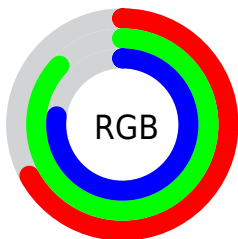
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 205, 222
Decimal	11263684
CIELab	84.42, -21.64, 7.40
CIElCh	84, 22.865, 161.120
Yxy	64.8860, 0.2942, 0.3610
Android (android.graphics.Color)	4289453764 (0xFFABDEC4)
YUV	203.7870, -3.8390, -28.7542
Hunter-Lab	80.5518, -23.7869, 10.7703

# Details

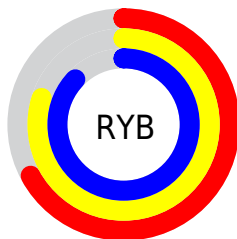
The Yxy color **64.8860, 0.2942, 0.3610** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6818, 0.3365, 0.2991**, and the grayscale version is **60.2780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9427, 0.2969, 0.3310**, and **33.4420, 0.2899, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **62.1059, 0.2869, 0.3774**, and if you desaturate by 10%, it is **68.1290, 0.3021, 0.3461**.

# Distribution



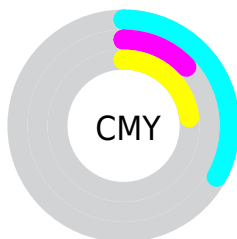
- Red (67%)
- Green (87%)
- Blue (77%)



- Red (67%)
- Yellow (80%)
- Blue (87%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)




- Cyan (33%)
- Magenta (13%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8860, 0.2942, 0.3610 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 64.8860, 0.2942, 0.3610 by changing the saturation by 10% instead.




 64.8860, 0.2942,  
0.3610

 64.8860, 0.2942,  
0.3610

442.3822, 0.3031,  
0.3455

 47.3686, 0.2921,  
0.3647


 111.8859, 0.2974,  
0.3555

 33.3272, 0.2894,  
0.3694


142.1373, 0.2986,  
0.3534

 22.3772, 0.2859,  
0.3755


177.4022, 0.2996,  
0.3516

 14.1343, 0.2812,  
0.3838

218.0649, 0.3005,  
0.3500

 8.2142, 0.2745,  
0.3956

264.5098, 0.3013,  
0.3487

 4.2323, 0.2643,  
0.4139

317.1214, 0.3020,

 1.8043, 0.2467,

0.3475

0.4457

376.2841, 0.3026,  
0.3465

0.4899, 0.0000,  
0.9682

0.0000, 0.0000,  
0.0000

64.8860, 0.2942,  
0.3610

64.8860, 0.2942,  
0.3610

62.1059, 0.2869,  
0.3774

68.1290, 0.3021,  
0.3461

59.7589, 0.2804,  
0.3952

71.8470, 0.3103,  
0.3327

57.8241, 0.2751,  
0.4142


76.0617, 0.3185,  
0.3208


56.2755, 0.2714,  
0.4340


79.8713, 0.3233,  
0.3101


 55.0842, 0.2695,  
0.4542

 80.5691, 0.3158,  
0.2993

 54.2168, 0.2695,  
0.4741

 80.7255, 0.3142,  
0.2970

 53.6335, 0.2716,  
0.4932

 53.3483, 0.2739,  
0.5059

# Harmonies

## Analogous

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



64.8860, 0.3226, 0.3774



64.8860, 0.2942, 0.3610



64.8860, 0.2715, 0.3351

# Triad

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



64.8860, 0.2942, 0.3610



64.8860, 0.2761, 0.2818



64.8860, 0.3688, 0.3451

# Complementary

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



64.8860, 0.2942, 0.3610



48.6818, 0.3365, 0.2991

# 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.



64.8860, 0.3552, 0.3212



64.8860, 0.2942, 0.3610



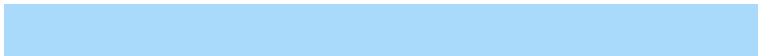
64.8860, 0.3008, 0.2857

# Square

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



64.8860, 0.2942, 0.3610



64.8860, 0.2614, 0.2896



64.8860, 0.3299, 0.2999



64.8860, 0.3664, 0.3664



# Rectangle

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



64.8860, 0.2942, 0.3610



64.8860, 0.2622, 0.3170



64.8860, 0.3299, 0.2999



64.8860, 0.3659, 0.3371

# Sweetspot

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



64.8887, 0.2942, 0.3610



96.1986, 0.3069, 0.3380



67.1026, 0.3287, 0.3897



20.5237, 0.3064, 0.3388



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

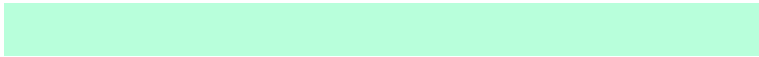


# Same Dimension

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



64.8887, 0.2942, 0.3610



86.7563, 0.2903, 0.3694



66.1309, 0.2793, 0.3299



15.4488, 0.3049, 0.3412



31.7084, 0.2731, 0.5033



2.2159, 0.2652, 0.4747



# Inverse Universe

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



48.6818, 0.3365, 0.2991



60.5404, 0.3434, 0.2919



47.6243, 0.3591, 0.3281



13.8165, 0.3213, 0.3171



9.9559, 0.4913, 0.2480

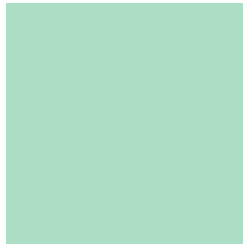


0.7082, 0.4579, 0.2296



# Previews

## White Background



This preview shows how the Yxy color 64.8860, 0.2942, 0.3610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

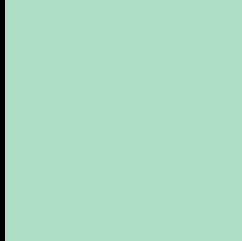
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8860, 0.2942, 0.3610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

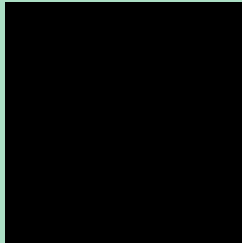
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

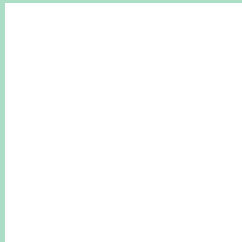
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8860, 0.2942, 0.3610**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8860, 0.2942, 0.3610.

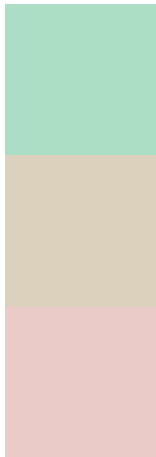


This preview shows how white text looks on a background with the Yxy color 64.8860, 0.2942, 0.3610.

# 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

64.8860, 0.2942, 0.3610

### Protanopia

64.3351, 0.3347, 0.3518

### Deuteranopia

64.3744, 0.3393, 0.3324



## Tritanopia

65.0312, 0.2758, 0.3091

# Trichromacy



## Original Color

64.8860, 0.2942, 0.3610

## Protanomaly

64.4555, 0.3189, 0.3549

## Deuteranomaly

64.0656, 0.3212, 0.3417

## Tritanomaly

64.9443, 0.2822, 0.3277

# Monochromacy



## Original Color

64.8860, 0.2942, 0.3610

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

62.0120, 0.3055, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8860, 0.2942, 0.3610 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(171, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(171, 222, 196)  
}
```

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(171, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 222, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8860, 0.2942, 0.3610 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(171, 222, 196) }
```

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

```
.border{ border-color:rgb(171, 222, 196) }
```

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

Here you see how a box with a 4 pixel rgb(171, 222, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(171, 222,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8860, 0.2942, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 222, 196) }
```

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

```
.background{ background-color: rgb(171,  
222, 196) }
```

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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