

# Converting Colors

$Yxy(65.4665, 0.2855, 0.3705)$

Have a look what the booklet for  
Yxy(65.4665, 0.2855, 0.3705)  
contains.

<b>Yxy(65.7032, 0.2850, 0.3706)</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(65.7032, 0.2850, 0.3706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE3C2
RGB	154, 227, 194
RGB Percent	60%, 89%, 76%
CMY	0.3962, 0.1098, 0.2392
CMYK	0.32, 0.00, 0.15, 0.11
HSL	153°, 57%, 75%
HSV	153°, 32%, 89%
XYZ	50.5273, 65.7032, 61.0582
YIQ	201.4110, -32.9150, -25.7390

# Conversions

## Conversions Part 2

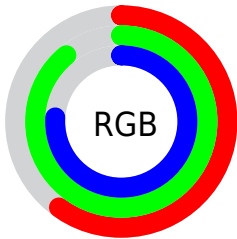
Format	Color
<b>RYB</b>	154, 201, 227
Decimal	10150850
CIELab	84.84, -29.63, 8.94
CIElCh	85, 30.955, 163.207
Yxy	65.7032, 0.2850, 0.3706
Android (android.graphics.Color)	4288340930 (0xFF9AE3C2)
YUV	201.4110, -3.6536, -41.5794
Hunter-Lab	81.0575, -30.5825, 12.0788

# Details

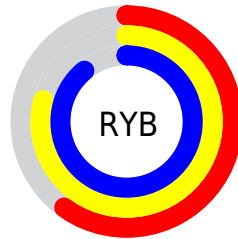
The Yxy color **65.7032, 0.2850, 0.3706** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0176, 0.3533, 0.2911**, and the grayscale version is **58.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1238, 0.2886, 0.3341**, and **33.7286, 0.2780, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **63.2406, 0.2778, 0.3862**, and if you desaturate by 10%, it is **68.6242, 0.2931, 0.3562**.

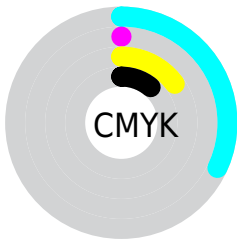
# Distribution



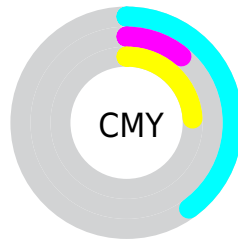
- Red (60%)
- Green (89%)
- Blue (76%)



- Red (60%)
- Yellow (79%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7032, 0.2850, 0.3706 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 65.7032, 0.2850, 0.3706 by changing the saturation by 10% instead.




 65.7032, 0.2850,  
0.3706

 65.7032, 0.2850,  
0.3706

445.3147, 0.2983,  
0.3504

 48.0315, 0.2818,  
0.3755


 113.0602, 0.2897,  
0.3634

 33.8518, 0.2778,  
0.3816


 143.5144, 0.2915,  
0.3606

 22.7798, 0.2726,  
0.3896


178.9981, 0.2931,  
0.3583

 14.4310, 0.2657,  
0.4005

219.8959, 0.2944,  
0.3563

 8.4210, 0.2558,  
0.4161

266.5920, 0.2956,  
0.3545

 4.3655, 0.2407,  
0.4403

319.4709, 0.2966,

 1.8801, 0.2152,

0.3530

0.4825

378.9170, 0.2975,  
0.3516

0.5363, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.7032, 0.2850,  
0.3706

65.7032, 0.2850,  
0.3706

63.2406, 0.2778,  
0.3862

68.6242, 0.2931,  
0.3562

61.2039, 0.2719,  
0.4028

72.0180, 0.3017,  
0.3432


59.5688, 0.2676,  
0.4202

75.9083, 0.3107,  
0.3314

58.3054, 0.2651,  
0.4380


80.3150, 0.3198,  
0.3209

 57.3794, 0.2646,  
0.4558

 82.8150, 0.3202,  
0.3111

 56.7493, 0.2661,  
0.4732

 83.4246, 0.3140,  
0.3019

 56.4108, 0.2684,  
0.4863

# Harmonies

## Analogous

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



65.7032, 0.3226, 0.3944



65.7032, 0.2850, 0.3706



65.7032, 0.2560, 0.3341

# Triad

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



65.7032, 0.2850, 0.3706



65.7032, 0.2656, 0.2662



65.7032, 0.3891, 0.3517

# Complementary

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



65.7032, 0.2850, 0.3706



43.0176, 0.3533, 0.2911

# 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.



65.7032, 0.3721, 0.3202



65.7032, 0.2850, 0.3706



65.7032, 0.2990, 0.2727

# Square

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



65.7032, 0.2850, 0.3706



65.7032, 0.2454, 0.2748



65.7032, 0.3383, 0.2921



65.7032, 0.3839, 0.3799



# Rectangle

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



65.7032, 0.2850, 0.3706



65.7032, 0.2447, 0.3096



65.7032, 0.3383, 0.2921



65.7032, 0.3858, 0.3412

# Sweetspot

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



65.7059, 0.2850, 0.3706



94.7603, 0.3036, 0.3406



67.9742, 0.3319, 0.4174



20.1365, 0.3024, 0.3423



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

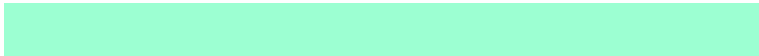


# Same Dimension

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



65.7059, 0.2850, 0.3706



83.1993, 0.2798, 0.3815



66.0347, 0.2665, 0.3259



16.2207, 0.3042, 0.3398



32.9190, 0.2677, 0.4838



2.4513, 0.2609, 0.4591



# Inverse Universe

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



43.0176, 0.3533, 0.2911



49.0792, 0.3658, 0.2826



42.5745, 0.3858, 0.3321



14.4757, 0.3222, 0.3184



10.1132, 0.5157, 0.2615

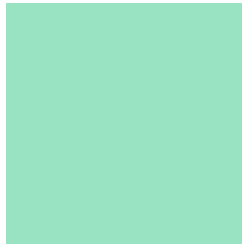


0.7659, 0.4801, 0.2418



# Previews

## White Background



This preview shows how the Yxy color 65.7032, 0.2850, 0.3706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

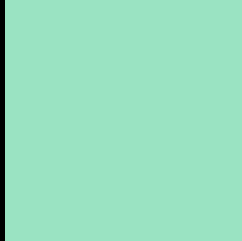
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7032, 0.2850, 0.3706 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

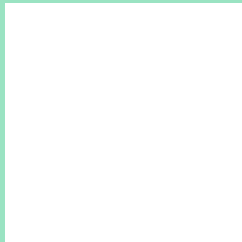
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.7032, 0.2850, 0.3706**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7032, 0.2850, 0.3706.

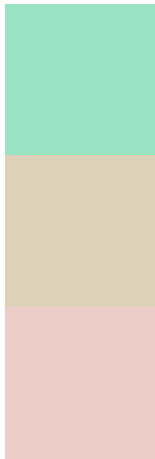


This preview shows how white text looks on a background with the Yxy color 65.7032, 0.2850, 0.3706.

# 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

65.7032, 0.2850, 0.3706

### Protanopia

64.9681, 0.3390, 0.3574

### Deuteranopia

65.1421, 0.3415, 0.3345



## Tritanopia

65.6725, 0.2652, 0.3088

# Trichromacy



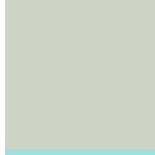
## Original Color

65.7032, 0.2850, 0.3706



## Protanomaly

64.6129, 0.3177, 0.3623



## Deuteranomaly

64.2400, 0.3186, 0.3464



## Tritanomaly

65.5229, 0.2724, 0.3301

# Monochromacy



## Original Color

65.7032, 0.2850, 0.3706



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.3608, 0.3018, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7032, 0.2850, 0.3706 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(154, 227, 194)` looks like.

```
.text, #text, p{  
    color:rgb(154, 227, 194)  
}
```

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(154, 227, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 227, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7032, 0.2850, 0.3706 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(154, 227, 194) }
```

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

```
.border{ border-color:rgb(154, 227, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 227, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 227, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 227, 194);  
box-shadow:4px 4px 4px 4px rgb(154, 227,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7032, 0.2850, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 227, 194) }
```

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

```
.background{ background-color: rgb(154,  
227, 194) }
```

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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