

# Converting Colors

$Yxy(65.0790, 0.2958, 0.3801)$

Have a look what the booklet for  
Yxy(65.0790, 0.2958, 0.3801)  
contains.

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# Color

**Yxy(65.0976, 0.2963, 0.3806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3E1B8
RGB	163, 225, 184
RGB Percent	64%, 88%, 72%
CMY	0.3609, 0.1176, 0.2783
CMYK	0.28, 0.00, 0.18, 0.12
HSL	140°, 51%, 76%
HSV	140°, 28%, 88%
XYZ	50.6790, 65.0976, 55.2628
YIQ	201.7880, -23.7910, -25.8950

# Conversions

## Conversions Part 2

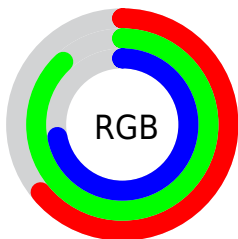
Format	Color
<b>RYB</b>	163, 209, 225
Decimal	10740152
CIELab	84.53, -27.89, 13.80
CIELCh	85, 31.118, 153.674
Yxy	65.0976, 0.2963, 0.3806
Android (android.graphics.Color)	4288930232 (0xFFA3E1B8)
YUV	201.7880, -8.7695, -34.0171
Hunter-Lab	80.6831, -29.0753, 15.8682

# Details

The Yxy color **65.0976, 0.2963, 0.3806** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.5475, 0.3341, 0.2825**, and the grayscale version is **58.9892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8713, 0.2992, 0.3444**, and **33.3296, 0.2920, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **62.3424, 0.2910, 0.4032**, and if you desaturate by 10%, it is **68.3462, 0.3021, 0.3600**.

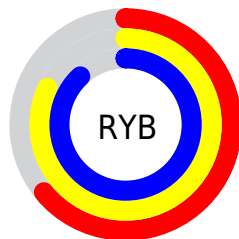
# Distribution



Red (64%)

Green (88%)

Blue (72%)



Red (64%)

Yellow (82%)

Blue (88%)

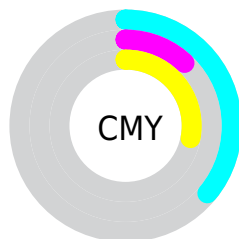


Cyan (28%)

Magenta (0%)

Yellow (18%)

Black (12%)



Cyan (36%)

Magenta (12%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0976, 0.2963, 0.3806 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 65.0976, 0.2963, 0.3806 by changing the saturation by 10% instead.





 65.0976, 0.2963,  
0.3806

 65.0976, 0.2963,  
0.3806


443.1426, 0.3045,  
0.3553

 47.5402, 0.2943,  
0.3867


 112.1902, 0.2993,  
0.3715

 33.4629, 0.2917,  
0.3945


 142.4941, 0.3004,  
0.3681

 22.4813, 0.2882,  
0.4047


177.8158, 0.3013,  
0.3652

 14.2110, 0.2835,  
0.4187

218.5395, 0.3021,  
0.3627

 8.2676, 0.2765,  
0.4388

265.0496, 0.3028,  
0.3605

 4.2666, 0.2652,  
0.4702


317.7306, 0.3035,

 1.8238, 0.2453,


0.3586


0.5272


376.9668, 0.3040,  
0.3569


 0.5019, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 65.0976, 0.2963,  
0.3806


 65.0976, 0.2963,  
0.3806

 62.3424, 0.2910,  
0.4032

 68.3462, 0.3021,  
0.3600


 60.0480, 0.2865,  
0.4274

 72.1028, 0.3081,  
0.3416

 58.1906, 0.2832,  
0.4528

 76.3912, 0.3142,  
0.3252

 56.7407, 0.2813,  
0.4786

 81.2314, 0.3202,  
0.3108

■ 55.6653, 0.2811,  
0.5037

■ 82.3350, 0.3141,  
0.2999

■ 54.9256, 0.2827,  
0.5269

■ 54.4700, 0.2858,  
0.5473

■ 54.3828, 0.2866,  
0.5518

# Harmonies

## Analogous

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



65.0976, 0.3350, 0.3982



65.0976, 0.2963, 0.3806



65.0976, 0.2634, 0.3463

# Triad

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



65.0976, 0.2963, 0.3806



65.0976, 0.2571, 0.2668



65.0976, 0.3866, 0.3417

# Complementary

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



65.0976, 0.2963, 0.3806



46.5475, 0.3341, 0.2825

# 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.



65.0976, 0.3631, 0.3104



65.0976, 0.2963, 0.3806



65.0976, 0.2871, 0.2687

# Square

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



65.0976, 0.2963, 0.3806



65.0976, 0.2419, 0.2804



65.0976, 0.3259, 0.2844



65.0976, 0.3885, 0.3721



# Rectangle

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



65.0976, 0.2963, 0.3806



65.0976, 0.2487, 0.3209



65.0976, 0.3259, 0.2844



65.0976, 0.3809, 0.3311

# Sweetspot

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



65.1003, 0.2963, 0.3806



95.4967, 0.3078, 0.3424



69.3818, 0.3386, 0.4014



20.2700, 0.3069, 0.3451



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

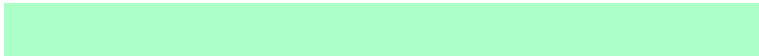


# Same Dimension

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



65.1003, 0.2963, 0.3806



84.3048, 0.2932, 0.3931



66.5272, 0.2784, 0.3415



15.4137, 0.3070, 0.3449



31.3549, 0.2858, 0.5490



2.1897, 0.2771, 0.5175



# Inverse Universe

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



46.5475, 0.3341, 0.2825



55.8430, 0.3397, 0.2727



45.2201, 0.3626, 0.3170



13.8524, 0.3189, 0.3136



10.4895, 0.4294, 0.2139

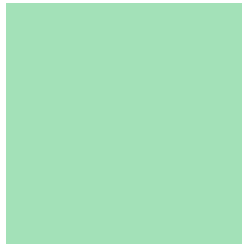


0.7436, 0.4084, 0.2024



# Previews

## White Background



This preview shows how the Yxy color 65.0976, 0.2963, 0.3806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

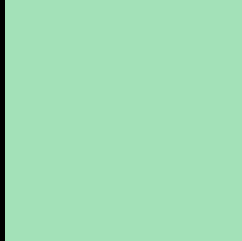
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0976, 0.2963, 0.3806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

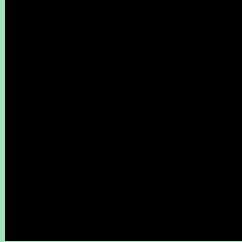
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

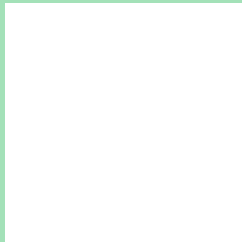
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.0976, 0.2963, 0.3806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.0976, 0.2963, 0.3806.

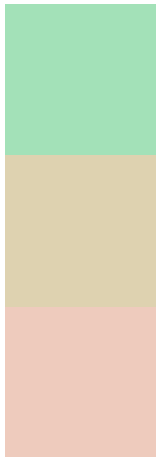


This preview shows how white text looks on a background with the Yxy color 65.0976, 0.2963, 0.3806.

# 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**

65.0976, 0.2963, 0.3806

**Protanopia**

64.7574, 0.3464, 0.3677

**Deuteranopia**

64.5631, 0.3509, 0.3443



## Tritanopia

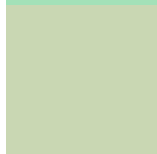
65.0252, 0.2723, 0.3090

# Trichromacy



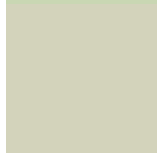
## Original Color

65.0976, 0.2963, 0.3806



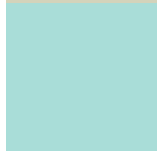
## Protanomaly

64.2731, 0.3270, 0.3718



## Deuteranomaly

64.0253, 0.3296, 0.3569



## Tritanomaly

65.1058, 0.2810, 0.3350

# Monochromacy



## Original Color

65.0976, 0.2963, 0.3806



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

60.7247, 0.3067, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0976, 0.2963, 0.3806 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(163, 225, 184)` looks like.

```
.text, #text, p{  
    color:rgb(163, 225, 184)  
}
```

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(163, 225, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 225, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0976, 0.2963, 0.3806 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(163, 225, 184) }
```

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

```
.border{ border-color:rgb(163, 225, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 225, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 225, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 225, 184); box-shadow:4px 4px 4px 4px rgb(163, 225, 184) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0976, 0.2963, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 225, 184) }
```

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

```
.background{ background-color: rgb(163,  
225, 184) }
```

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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