

# Converting Colors

$Yxy(62.9177, 0.3061, 0.3979)$

Have a look what the booklet for  
Yxy(62.9177, 0.3061, 0.3979)  
contains.

<b>Yxy(62.8562, 0.3061, 0.3984)</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(62.8562, 0.3061, 0.3984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3DEA8
RGB	163, 222, 168
RGB Percent	64%, 87%, 66%
CMY	0.3607, 0.1294, 0.3413
CMYK	0.27, 0.00, 0.24, 0.13
HSL	125°, 47%, 75%
HSV	125°, 27%, 87%
XYZ	48.2939, 62.8562, 46.6215
YIQ	198.2030, -17.8300, -29.3020

# Conversions

## Conversions Part 2

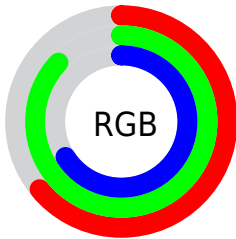
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 217, 222
Decimal	10739368
CIELab	83.37, -29.32, 20.58
CIELCh	83, 35.822, 144.938
Yxy	62.8562, 0.3061, 0.3984
Android (android.graphics.Color)	4288929448 (0xFFA3DEA8)
YUV	198.2030, -14.8901, -30.8730
Hunter-Lab	79.2819, -30.0116, 20.6320

# Details

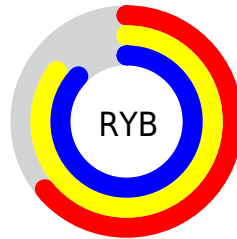
The Yxy color **62.8562, 0.3061, 0.3984** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.7420, 0.3200, 0.2682**, and the grayscale version is **56.7043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9078, 0.3087, 0.3624**, and **32.2134, 0.3034, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **60.0178, 0.3036, 0.4298**, and if you desaturate by 10%, it is **66.2298, 0.3086, 0.3697**.

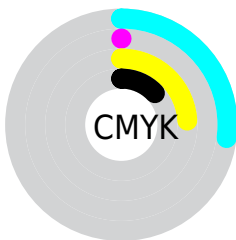
# Distribution



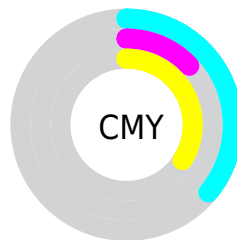
- Red (64%)
- Green (87%)
- Blue (66%)



- Red (64%)
- Yellow (85%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (24%)
- Black (13%)




- Cyan (36%)
- Magenta (13%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8562, 0.3061, 0.3984 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 62.8562, 0.3061, 0.3984 by changing the saturation by 10% instead.





 62.8562, 0.3061,  
0.3984

 62.8562, 0.3061,  
0.3984


435.0474, 0.3100,  
0.3640

 45.7249, 0.3050,  
0.4069


 108.9620, 0.3076,  
0.3860

 32.0288, 0.3034,  
0.4177

 138.7053, 0.3082,  
0.3813

 21.3835, 0.3012,  
0.4319


173.4214, 0.3086,  
0.3773

 13.4046, 0.2978,  
0.4515

213.4947, 0.3090,  
0.3739

 7.7077, 0.2923,  
0.4799

259.3095, 0.3093,  
0.3709

 3.9085, 0.2822,  
0.5246

311.2503, 0.3096,

 1.6225, 0.2779,

0.3683

0.6527

369.7015, 0.3098,  
0.3660

0.3727, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8562, 0.3061,  
0.3984

62.8562, 0.3061,  
0.3984

60.0178, 0.3036,  
0.4298

66.2298, 0.3086,  
0.3697

57.6796, 0.3013,  
0.4631

70.1556, 0.3111,  
0.3441

55.8148, 0.2994,  
0.4967

74.6598, 0.3135,  
0.3216

54.3911, 0.2981,  
0.5287

79.7645, 0.3157,  
0.3021

■ 53.3718, 0.2975,  
0.5565

■ 80.7243, 0.3142,  
0.2970

■ 52.7146, 0.2977,  
0.5781

■ 52.3665, 0.2985,  
0.5921

■ 52.2902, 0.2987,  
0.5953

# Harmonies

## Analogous

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



62.8562, 0.3508, 0.4110



62.8562, 0.3061, 0.3984



62.8562, 0.2651, 0.3621

# Triad

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



62.8562, 0.3061, 0.3984



62.8562, 0.2414, 0.2597



62.8562, 0.3933, 0.3323

# Complementary

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



62.8562, 0.3061, 0.3984



46.7420, 0.3200, 0.2682

# 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.



62.8562, 0.3598, 0.2977



62.8562, 0.3061, 0.3984



62.8562, 0.2713, 0.2572

# Square

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



62.8562, 0.3061, 0.3984



62.8562, 0.2297, 0.2802



62.8562, 0.3142, 0.2710



62.8562, 0.4031, 0.3684



# Rectangle

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



62.8562, 0.3061, 0.3984



62.8562, 0.2450, 0.3319



62.8562, 0.3142, 0.2710



62.8562, 0.3844, 0.3203

# Sweetspot

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



62.8589, 0.3061, 0.3984



95.1887, 0.3108, 0.3477



69.6544, 0.3489, 0.3960



20.1930, 0.3104, 0.3515



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

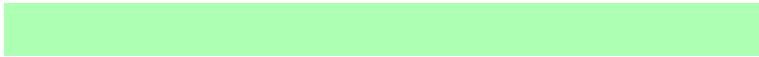


# Same Dimension

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



62.8589, 0.3061, 0.3984



83.7560, 0.3047, 0.4160



64.0832, 0.2882, 0.3597



15.3559, 0.3104, 0.3511



31.0650, 0.2984, 0.5942



2.1598, 0.2940, 0.5785



# Inverse Universe

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



46.7420, 0.3200, 0.2682



58.0865, 0.3218, 0.2552



45.3435, 0.3462, 0.3004



13.9147, 0.3151, 0.3078



11.8027, 0.3432, 0.1664

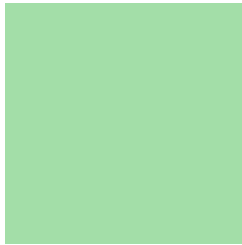


0.8240, 0.3394, 0.1643



# Previews

## White Background



This preview shows how the Yxy color 62.8562, 0.3061, 0.3984 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 62.8562, 0.3061, 0.3984 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 62.8562, 0.3061, 0.3984**

## Background



This preview shows how black text looks on a background with the Yxy color 62.8562, 0.3061, 0.3984.

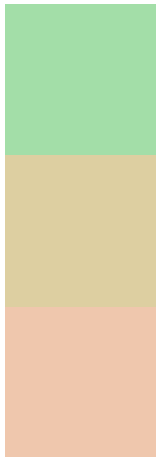


This preview shows how white text looks on a background with the Yxy color 62.8562, 0.3061, 0.3984.

# 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

62.8562, 0.3061, 0.3984

### Protanopia

62.5710, 0.3574, 0.3819

### Deuteranopia

62.2147, 0.3654, 0.3576



## Tritanopia

62.8613, 0.2747, 0.3088

# Trichromacy



## Original Color

62.8562, 0.3061, 0.3984



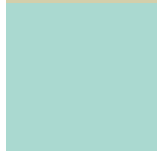
## Protanomaly

62.0467, 0.3371, 0.3869



## Deuteranomaly

61.4148, 0.3419, 0.3714



## Tritanomaly

62.7258, 0.2860, 0.3400

# Monochromacy



## Original Color

62.8562, 0.3061, 0.3984



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.5278, 0.3100, 0.3538

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8562, 0.3061, 0.3984 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, 222, 168)` looks like.

```
.text, #text, p{  
    color:rgb(163, 222, 168)  
}
```

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, 222, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8562, 0.3061, 0.3984 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, 222, 168) }
```

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

```
.border{ border-color:rgb(163, 222, 168) }
```

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

Here you see how a box with a 4 pixel rgb(163, 222, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 222, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 222, 168);  
box-shadow:4px 4px 4px 4px rgb(163, 222,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8562, 0.3061, 0.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 168) }
```

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

```
.background{ background-color: rgb(163,  
222, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor