

# Converting Colors

Yxy(64.5356, 0.3092, 0.3918)

Have a look what the booklet for  
Yxy(64.5356, 0.3092, 0.3918)  
contains.

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# Color

**Yxy(64.5631, 0.3091, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACDFAD
RGB	172, 223, 173
RGB Percent	67%, 87%, 68%
CMY	0.3254, 0.1255, 0.3215
CMYK	0.23, 0.00, 0.22, 0.13
HSL	121°, 44%, 77%
HSV	121°, 23%, 87%
XYZ	50.9483, 64.5631, 49.3165
YIQ	202.0510, -14.3460, -26.3620

# Conversions

## Conversions Part 2

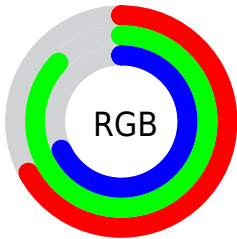
Format	Color
<a href="#">RYB</a>	<a href="#">172, 222, 223</a>
Decimal	<a href="#">11329453</a>
CIELab	<a href="#">84.26, -25.98, 19.26</a>
CIElCh	<a href="#">84, 32.346, 143.446</a>
Yxy	<a href="#">64.5631, 0.3091, 0.3917</a>
Android (android.graphics.Color)	<a href="#">4289519533 (0xFFACDFAD)</a>
YUV	<a href="#">202.0510, -14.3221, -26.3547</a>
Hunter-Lab	<a href="#">80.3512, -27.4329, 19.8559</a>

# Details

The Yxy color **64.5631, 0.3091, 0.3917** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.4769, 0.3162, 0.2734**, and the grayscale version is **59.1985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6711, 0.3109, 0.3555**, and **33.2833, 0.3080, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **61.4718, 0.3073, 0.4244**, and if you desaturate by 10%, it is **68.2218, 0.3108, 0.3621**.

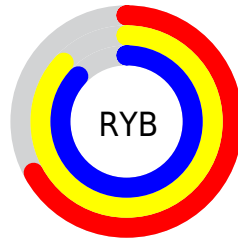
# Distribution



Red (67%)

Green (87%)

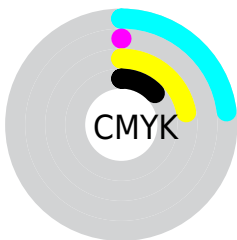
Blue (68%)



Red (67%)

Yellow (87%)

Blue (87%)

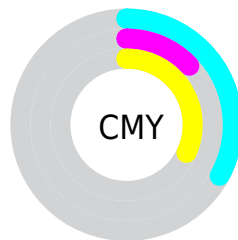


Cyan (23%)

Magenta (0%)

Yellow (22%)

Black (13%)



Cyan (33%)

Magenta (13%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5631, 0.3091, 0.3917 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 64.5631, 0.3091, 0.3917 by changing the saturation by 10% instead.





 64.5631, 0.3091,  
0.3917

 64.5631, 0.3091,  
0.3917


441.2203, 0.3114,  
0.3609

 47.1069, 0.3084,  
0.3992


 111.4215, 0.3101,  
0.3806

 33.1202, 0.3074,  
0.4088


141.5925, 0.3104,  
0.3764

 22.2185, 0.3059,  
0.4213


176.7705, 0.3106,  
0.3729

 14.0176, 0.3037,  
0.4383

217.3400, 0.3109,  
0.3698

 8.1329, 0.2999,  
0.4630

263.6853, 0.3110,  
0.3671

 4.1801, 0.2929,  
0.5013

316.1909, 0.3112,

 1.7748, 0.2875,

0.3648

0.5891

375.2411, 0.3113,  
0.3627

0.4714, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.5631, 0.3091,  
0.3917

64.5631, 0.3091,  
0.3917

61.4718, 0.3073,  
0.4244

68.2218, 0.3108,  
0.3621

58.9118, 0.3055,  
0.4593

72.4657, 0.3123,  
0.3359

56.8558, 0.3037,  
0.4948

77.3217, 0.3137,  
0.3130

55.2703, 0.3022,  
0.5285

81.2548, 0.3142,  
0.2980

■ 54.1183, 0.3009,  
0.5578

■ 53.3569, 0.3002,  
0.5801

■ 52.9346, 0.2999,  
0.5939

■ 52.7843, 0.2997,  
0.5990

# Harmonies

## Analogous

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



64.5631, 0.3491, 0.4021



64.5631, 0.3091, 0.3917



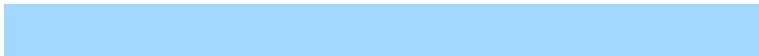
64.5631, 0.2717, 0.3604

# Triad

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



64.5631, 0.3091, 0.3917



64.5631, 0.2475, 0.2672



64.5631, 0.3837, 0.3308

# Complementary

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



64.5631, 0.3091, 0.3917



50.4769, 0.3162, 0.2734

# 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.



64.5631, 0.3530, 0.2995



64.5631, 0.3091, 0.3917



64.5631, 0.2739, 0.2639

# Square

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



64.5631, 0.3091, 0.3917



64.5631, 0.2378, 0.2868



64.5631, 0.3122, 0.2757



64.5631, 0.3938, 0.3635



# Rectangle

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



64.5631, 0.3091, 0.3917



64.5631, 0.2530, 0.3339



64.5631, 0.3122, 0.2757



64.5631, 0.3754, 0.3199

# Sweetspot

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



64.5658, 0.3091, 0.3917



95.6938, 0.3117, 0.3464



71.3075, 0.3465, 0.3860



20.4070, 0.3116, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

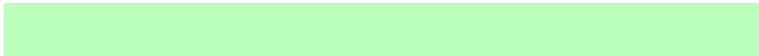


# Same Dimension

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



64.5658, 0.3091, 0.3917



85.5864, 0.3083, 0.4056



65.6422, 0.2935, 0.3591



15.3415, 0.3113, 0.3527



31.0385, 0.2996, 0.5987



2.1530, 0.2986, 0.5949



# Inverse Universe

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



50.4769, 0.3162, 0.2734



63.5755, 0.3169, 0.2628



49.2181, 0.3375, 0.3007



13.9308, 0.3141, 0.3063



12.2238, 0.3258, 0.1568

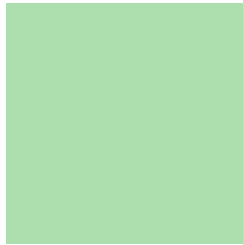


0.8488, 0.3250, 0.1564



# Previews

## White Background



This preview shows how the Yxy color 64.5631, 0.3091, 0.3917 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 64.5631, 0.3091, 0.3917 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 64.5631, 0.3091, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5631, 0.3091, 0.3917.

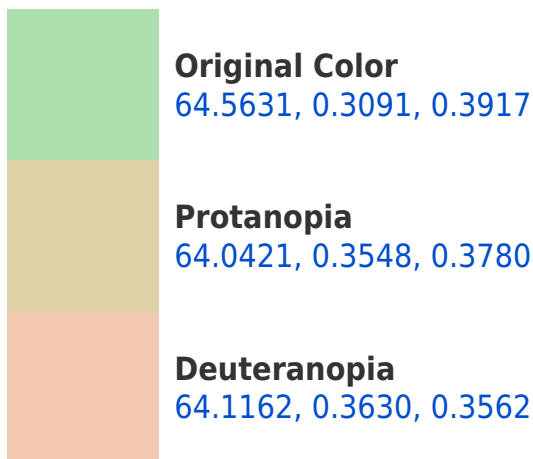


This preview shows how white text looks on a background with the Yxy color 64.5631, 0.3091, 0.3917.

# 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





## Tritanopia

64.3722, 0.2793, 0.3091

# Trichromacy



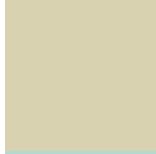
## Original Color

64.5631, 0.3091, 0.3917



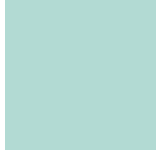
## Protanomaly

63.7951, 0.3364, 0.3825



## Deuteranomaly

63.8267, 0.3416, 0.3683



## Tritanomaly

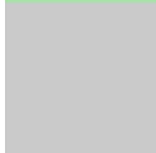
64.3109, 0.2895, 0.3374

# Monochromacy



## Original Color

64.5631, 0.3091, 0.3917



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

60.9311, 0.3116, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5631, 0.3091, 0.3917 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(172, 223, 173)` looks like.

```
.text, #text, p{  
    color:rgb(172, 223, 173)  
}
```

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(172, 223, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 223, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5631, 0.3091, 0.3917 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(172, 223, 173) }
```

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

```
.border{ border-color:rgb(172, 223, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 223, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 223, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 223, 173); box-shadow:4px 4px 4px 4px rgb(172, 223, 173) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5631, 0.3091, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 223, 173) }
```

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

```
.background{ background-color: rgb(172,  
223, 173) }
```

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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