

# Converting Colors

$Yxy(65.1677, 0.3099, 0.4101)$

Have a look what the booklet for  
Yxy(65.1677, 0.3099, 0.4101)  
contains.

<b>Yxy(64.9296, 0.3096, 0.4093)</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(64.9296, 0.3096, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E2A3
RGB	164, 226, 163
RGB Percent	64%, 89%, 64%
CMY	0.3569, 0.1137, 0.3608
CMYK	0.27, 0.00, 0.28, 0.11
HSL	119°, 52%, 76%
HSV	119°, 28%, 89%
XYZ	49.1136, 64.9296, 44.5925
YIQ	200.2800, -16.7290, -32.7370

# Conversions

## Conversions Part 2

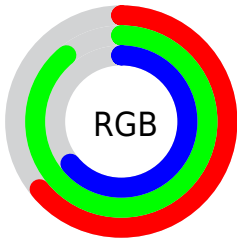
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 226, 225
Decimal	10805923
CIELab	84.45, -31.74, 24.66
CIELCh	84, 40.191, 142.150
Yxy	64.9296, 0.3096, 0.4093
Android (android.graphics.Color)	4288996003 (0xFFA4E2A3)
YUV	200.2800, -18.3790, -31.8176
Hunter-Lab	80.5789, -32.2156, 23.5940

# Details

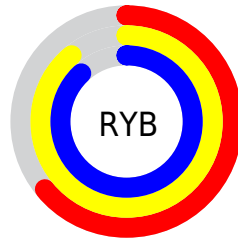
The Yxy color **64.9296, 0.3096, 0.4093** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.6970, 0.3151, 0.2597**, and the grayscale version is **58.0624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7976, 0.3121, 0.3677**, and **33.2121, 0.3071, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **62.0299, 0.3082, 0.4438**, and if you desaturate by 10%, it is **68.3936, 0.3109, 0.3775**.

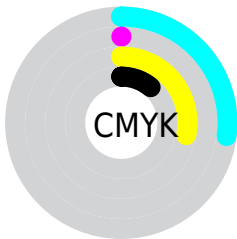
# Distribution



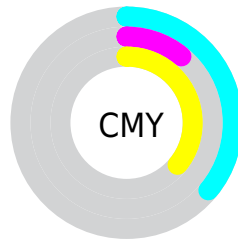
- Red (64%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (88%)



- Cyan (27%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)




- Cyan (36%)
- Magenta (11%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9296, 0.3096, 0.4093 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 64.9296, 0.3096, 0.4093 by changing the saturation by 10% instead.





 64.9296, 0.3096,  
0.4093


 64.9296, 0.3096,  
0.4093


442.5389, 0.3121,  
0.3696

 47.4040, 0.3087,  
0.4190


 111.9486, 0.3107,  
0.3950

 33.3551, 0.3075,  
0.4314


 142.2109, 0.3110,  
0.3896

 22.3986, 0.3056,  
0.4477


177.4874, 0.3113,  
0.3850

 14.1501, 0.3025,  
0.4699

218.1627, 0.3115,  
0.3810

 8.2251, 0.2972,  
0.5019

264.6211, 0.3117,  
0.3776

 4.2394, 0.2867,  
0.5512

317.2470, 0.3119,


 1.8083, 0.2899,


0.3746


0.7033


376.4248, 0.3120,  
0.3719

 0.4924, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 64.9296, 0.3096,  
0.4093


 64.9296, 0.3096,  
0.4093

 62.0299, 0.3082,  
0.4438


 68.3936, 0.3109,  
0.3775


 59.6570, 0.3066,  
0.4797

 72.4408, 0.3120,  
0.3490

 57.7817, 0.3050,  
0.5148

 77.0993, 0.3129,  
0.3240

 56.3686, 0.3034,  
0.5466

 82.3930, 0.3137,  
0.3023

■ 55.3777, 0.3020,  
0.5722

■ 82.8776, 0.3140,  
0.3009

■ 54.7620, 0.3010,  
0.5897

■ 54.4613, 0.3003,  
0.5985

■ 54.4204, 0.3003,  
0.5998

# Harmonies

## Analogous

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



64.9296, 0.3587, 0.4200



64.9296, 0.3096, 0.4093



64.9296, 0.2636, 0.3703

# Triad

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



64.9296, 0.3096, 0.4093



64.9296, 0.2322, 0.2538



64.9296, 0.3998, 0.3284

# Complementary

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



64.9296, 0.3096, 0.4093



47.6970, 0.3151, 0.2597

# 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.



64.9296, 0.3605, 0.2913



64.9296, 0.3096, 0.4093



64.9296, 0.2630, 0.2496

# Square

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



64.9296, 0.3096, 0.4093



64.9296, 0.2214, 0.2777



64.9296, 0.3094, 0.2633



64.9296, 0.4133, 0.3682



# Rectangle

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



64.9296, 0.3096, 0.4093



64.9296, 0.2405, 0.3366



64.9296, 0.3094, 0.2633



64.9296, 0.3890, 0.3154

# Sweetspot

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



64.9324, 0.3096, 0.4093



95.1433, 0.3120, 0.3495



72.6427, 0.3550, 0.3974



20.1816, 0.3118, 0.3536



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

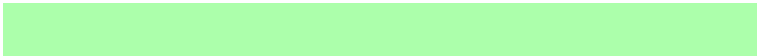


# Same Dimension

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



64.9324, 0.3096, 0.4093



83.2436, 0.3088, 0.4275



66.0545, 0.2908, 0.3695



15.3474, 0.3118, 0.3532



31.0488, 0.3004, 0.5997



2.1558, 0.3014, 0.5989



# Inverse Universe

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



47.6970, 0.3151, 0.2597



57.3012, 0.3155, 0.2465



46.3291, 0.3426, 0.2919



13.9242, 0.3135, 0.3059



12.0404, 0.3171, 0.1520

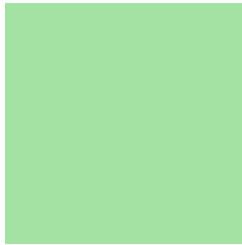


0.8381, 0.3177, 0.1524



# Previews

## White Background



This preview shows how the Yxy color 64.9296, 0.3096, 0.4093 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 64.9296, 0.3096, 0.4093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

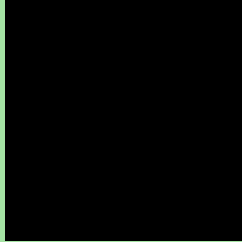
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9296, 0.3096, 0.4093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9296, 0.3096, 0.4093.

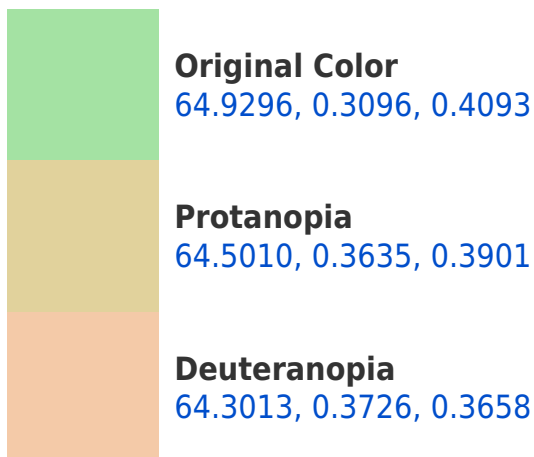


This preview shows how white text looks on a background with the Yxy color 64.9296, 0.3096, 0.4093.

# 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

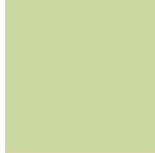
64.9133, 0.2752, 0.3091

# Trichromacy



## Original Color

64.9296, 0.3096, 0.4093



## Protanomaly

64.3114, 0.3421, 0.3969



## Deuteranomaly

63.7888, 0.3479, 0.3813



## Tritanomaly

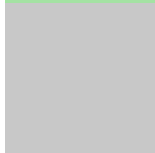
64.5111, 0.2875, 0.3435

# Monochromacy



## Original Color

64.9296, 0.3096, 0.4093



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

59.7536, 0.3114, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9296, 0.3096, 0.4093 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(164, 226, 163)` looks like.

```
.text, #text, p{  
    color:rgb(164, 226, 163)  
}
```

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(164, 226, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 226, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9296, 0.3096, 0.4093 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(164, 226, 163) }
```

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

```
.border{ border-color:rgb(164, 226, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 226, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 226, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 226, 163);  
box-shadow:4px 4px 4px 4px rgb(164, 226,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9296, 0.3096, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 226, 163) }
```

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

```
.background{ background-color: rgb(164,  
226, 163) }
```

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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