

# Converting Colors

Yxy(68.5948, 0.3132, 0.4088)

Have a look what the booklet for  
Yxy(68.5948, 0.3132, 0.4088)  
contains.

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# Color

**Yxy(68.7892, 0.3135, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE7A6
RGB	173, 231, 166
RGB Percent	68%, 91%, 65%
CMY	0.3217, 0.0941, 0.3489
CMYK	0.25, 0.00, 0.28, 0.09
HSL	114°, 58%, 78%
HSV	114°, 28%, 91%
XYZ	52.6885, 68.7892, 46.5878
YIQ	206.2480, -13.7030, -32.5110

# Conversions

## Conversions Part 2

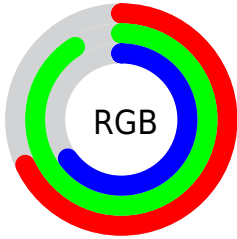
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 231, 224
Decimal	11397030
CIE <sub>Lab</sub>	86.40, -30.64, 25.84
CIE <sub>LCh</sub>	86, 40.085, 139.855
Yxy	68.7892, 0.3135, 0.4093
Android (android.graphics.Color)	4289587110 (0xFFADEF7A6)
YUV	206.2480, -19.8423, -29.1585
Hunter-Lab	82.9393, -31.7486, 24.7537

# Details

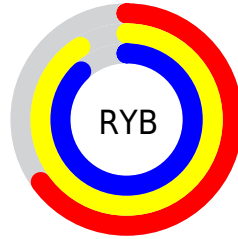
The Yxy color **68.7892, 0.3135, 0.4093** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.9094, 0.3101, 0.2578**, and the grayscale version is **62.0233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3985, 0.3161, 0.3639**, and **35.7968, 0.3121, 0.4301** is the 20% darker color. If you saturate the color by 10%, you get **65.8461, 0.3132, 0.4431**, and if you desaturate by 10%, it is **72.2536, 0.3134, 0.3779**.

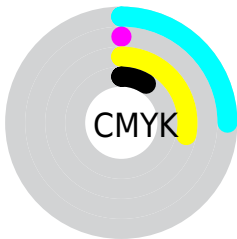
# Distribution



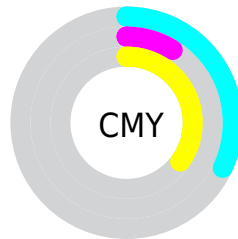
- Red (68%)
- Green (91%)
- Blue (65%)



- Red (65%)
- Yellow (91%)
- Blue (88%)



- Cyan (25%)
- Magenta (0%)
- Yellow (28%)
- Black (9%)




- Cyan (32%)
- Magenta (9%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7892, 0.3135, 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 68.7892, 0.3135, 0.4093 by changing the saturation by 10% instead.



 68.7892, 0.3135,  
0.4093


 68.7892, 0.3135,  
0.4093


456.2871, 0.3141,  
0.3700

 50.5401, 0.3131,  
0.4188


 117.4804, 0.3139,  
0.3952

 35.8427, 0.3124,  
0.4308


 148.6913, 0.3140,  
0.3899

 24.3127, 0.3112,  
0.4464


184.9916, 0.3141,  
0.3854

 15.5658, 0.3092,  
0.4676

226.7656, 0.3141,  
0.3814

 9.2174, 0.3053,  
0.4975

274.3978, 0.3142,  
0.3780

 4.8833, 0.2975,  
0.5428

328.2725, 0.3142,

 2.1789, 0.2955,

0.3750

0.6536


388.7741, 0.3141,  
0.3724


 0.7085, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 68.7892, 0.3135,  
0.4093


 68.7892, 0.3135,  
0.4093


 65.8461, 0.3132,  
0.4431


 72.2536, 0.3134,  
0.3779


 63.3908, 0.3125,  
0.4781

 76.2537, 0.3131,  
0.3496

 61.3994, 0.3112,  
0.5125

 80.8140, 0.3126,  
0.3246

 59.8424, 0.3094,  
0.5437

 85.6375, 0.3138,  
0.3058

■ 58.6871, 0.3073,  
0.5692

■ 57.8958, 0.3048,  
0.5871

■ 57.4215, 0.3025,  
0.5969

■ 57.3602, 0.3022,  
0.5983

# Harmonies

## Analogous

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



68.7892, 0.3613, 0.4176



68.7892, 0.3135, 0.4093



68.7892, 0.2677, 0.3730

# Triad

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



68.7892, 0.3135, 0.4093



68.7892, 0.2322, 0.2564



68.7892, 0.3957, 0.3256

# Complementary

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



68.7892, 0.3135, 0.4093



48.9094, 0.3101, 0.2578

# 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.



68.7892, 0.3558, 0.2896



68.7892, 0.3135, 0.4093



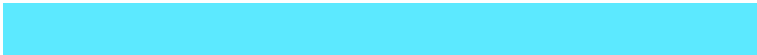
68.7892, 0.2611, 0.2508

# Square

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



68.7892, 0.3135, 0.4093



68.7892, 0.2232, 0.2815



68.7892, 0.3057, 0.2630



68.7892, 0.4112, 0.3647



# Rectangle

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



68.7892, 0.3135, 0.4093



68.7892, 0.2442, 0.3403



68.7892, 0.3057, 0.2630



68.7892, 0.3846, 0.3129

# Sweetspot

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



68.7921, 0.3135, 0.4093



95.4617, 0.3131, 0.3494



72.7493, 0.3572, 0.3917



20.2610, 0.3132, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

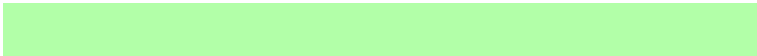


# Same Dimension

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



68.7921, 0.3135, 0.4093



83.7717, 0.3134, 0.4295



69.0259, 0.2943, 0.3783



16.1625, 0.3132, 0.3532



32.1793, 0.3027, 0.5979



2.4028, 0.3089, 0.5929



# Inverse Universe

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



48.9094, 0.3101, 0.2578



54.8815, 0.3093, 0.2424



48.7330, 0.3371, 0.2845



14.5329, 0.3121, 0.3057



10.6494, 0.2942, 0.1394

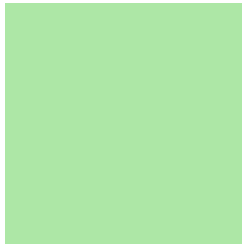


0.8095, 0.2983, 0.1417



# Previews

## White Background



This preview shows how the Yxy color 68.7892, 0.3135, 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 68.7892, 0.3135, 0.4093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

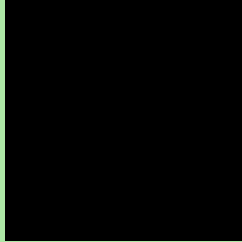
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.7892, 0.3135, 0.4093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7892, 0.3135, 0.4093.

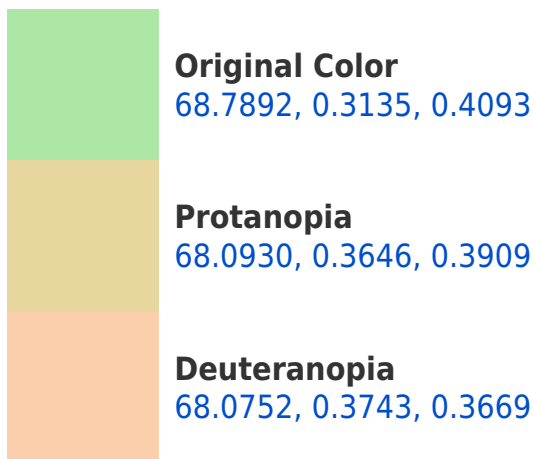


This preview shows how white text looks on a background with the Yxy color 68.7892, 0.3135, 0.4093.

# 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

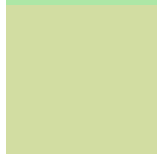
68.9137, 0.2784, 0.3096

# Trichromacy



## Original Color

68.7892, 0.3135, 0.4093



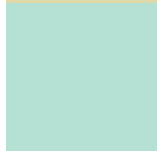
## Protanomaly

68.0232, 0.3444, 0.3974



## Deuteranomaly

67.6643, 0.3509, 0.3820



## Tritanomaly

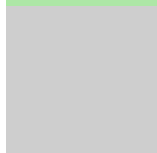
68.4277, 0.2912, 0.3443

# Monochromacy



## Original Color

68.7892, 0.3135, 0.4093



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

63.8318, 0.3136, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7892, 0.3135, 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(173, 231, 166)` looks like.

```
.text, #text, p{  
    color:rgb(173, 231, 166)  
}
```

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(173, 231, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 231, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7892, 0.3135, 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(173, 231, 166) }
```

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

```
.border{ border-color:rgb(173, 231, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 231, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 231, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 231, 166);  
box-shadow:4px 4px 4px 4px rgb(173, 231,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7892, 0.3135, 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(173, 231, 166) }
```

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

```
.background{ background-color: rgb(173,  
231, 166) }
```

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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