

# Converting Colors

Yxy(69.7508, 0.3296, 0.4469)

Have a look what the booklet for  
Yxy(69.7508, 0.3296, 0.4469)  
contains.

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# Color

**Yxy(69.6793, 0.3301, 0.4469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEA8A
RGB	174, 234, 138
RGB Percent	68%, 92%, 54%
CMY	0.3175, 0.0823, 0.4589
CMYK	0.26, 0.00, 0.41, 0.08
HSL	97°, 70%, 73%
HSV	97°, 41%, 92%
XYZ	51.4682, 69.6793, 34.7695
YIQ	205.1160, -4.9440, -42.5760

# Conversions

## Conversions Part 2

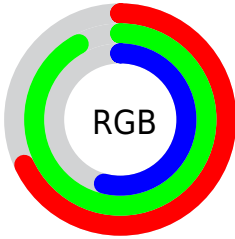
Format	Color
<b>RYB</b>	138, 234, 198
Decimal	11463306
CIELab	86.84, -35.73, 40.61
CIElCh	87, 54.090, 131.347
Yxy	69.6793, 0.3301, 0.4469
Android (android.graphics.Color)	4289653386 (0xFFAEEA8A)
YUV	205.1160, -33.0882, -27.2887
Hunter-Lab	83.4741, -36.0208, 33.7358

# Details

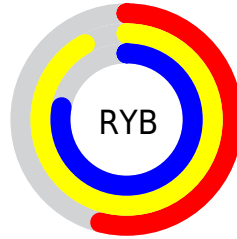
The Yxy color **69.6793, 0.3301, 0.4469** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.1077, 0.2850, 0.2180**, and the grayscale version is **61.3480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3592, 0.3336, 0.3933**, and **36.4346, 0.3310, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **67.4875, 0.3324, 0.4786**, and if you desaturate by 10%, it is **72.2057, 0.3267, 0.4154**.

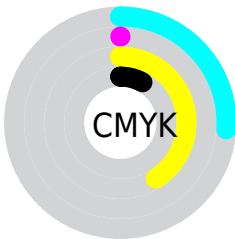
# Distribution



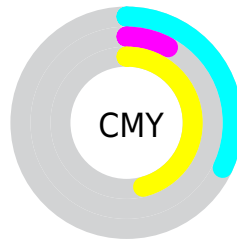
- Red (68%)
- Green (92%)
- Blue (54%)



- Red (54%)
- Yellow (92%)
- Blue (78%)



- Cyan (26%)
- Magenta (0%)
- Yellow (41%)
- Black (8%)




- Cyan (32%)
- Magenta (8%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6793, 0.3301, 0.4469 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 69.6793, 0.3301, 0.4469 by changing the saturation by 10% instead.





 69.6793, 0.3301,  
0.4469


 69.6793, 0.3301,  
0.4469


459.4232, 0.3242,  
0.3891


 51.2651, 0.3308,  
0.4607

 118.7513, 0.3286,  
0.4263

 36.4197, 0.3311,  
0.4780


 150.1779, 0.3278,  
0.4185

 24.7585, 0.3309,  
0.5003


 186.7108, 0.3271,  
0.4118

 15.8972, 0.3293,  
0.5297

228.7344, 0.3264,  
0.4060

 9.4514, 0.3246,  
0.5698

276.6330, 0.3258,  
0.4010

 5.0368, 0.3161,  
0.6340


330.7911, 0.3252,

 2.2689, 0.2842,


0.3965


0.7158


391.5930, 0.3247,  
0.3926


 0.7572, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.6793, 0.3301,  
0.4469


 69.6793, 0.3301,  
0.4469


 67.4875, 0.3324,  
0.4786

 72.2057, 0.3267,  
0.4154


 65.6061, 0.3333,  
0.5090

 75.0720, 0.3225,  
0.3852


 64.0214, 0.3324,  
0.5361


 78.2943, 0.3180,  
0.3571


 62.7146, 0.3297,  
0.5584

 81.8853, 0.3132,  
0.3315

 61.6646, 0.3253,  
0.5744

 85.8568, 0.3085,  
0.3085

 60.9142, 0.3204,  
0.5838

 87.3265, 0.3137,  
0.3088

# Harmonies

## Analogous

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



69.6793, 0.3912, 0.4428



69.6793, 0.3301, 0.4469



69.6793, 0.2675, 0.4069

# Triad

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



69.6793, 0.3301, 0.4469



69.6793, 0.2020, 0.2395



69.6793, 0.4120, 0.3088

# Complementary

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



69.6793, 0.3301, 0.4469



36.1077, 0.2850, 0.2180

# Split Complementary

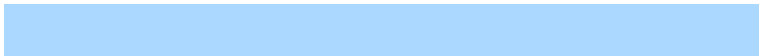
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.6793, 0.3510, 0.2660



69.6793, 0.3301, 0.4469



69.6793, 0.2315, 0.2269

# Square

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



69.6793, 0.3301, 0.4469



69.6793, 0.1978, 0.2777



69.6793, 0.2842, 0.2369



69.6793, 0.4430, 0.3583



# Rectangle

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



69.6793, 0.3301, 0.4469



69.6793, 0.2335, 0.3629



69.6793, 0.2842, 0.2369



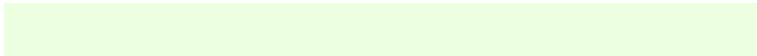
69.6793, 0.3939, 0.2934

# Sweetspot

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



69.6823, 0.3301, 0.4469



94.7374, 0.3184, 0.3599



59.3456, 0.3895, 0.3949



20.1636, 0.3190, 0.3635



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

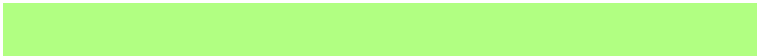


# Same Dimension

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



69.6823, 0.3301, 0.4469



82.4758, 0.3321, 0.4729



66.4228, 0.3009, 0.4408



17.1376, 0.3172, 0.3530



34.2962, 0.3215, 0.5829



2.7465, 0.3323, 0.5744



# Inverse Universe

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



36.1077, 0.2850, 0.2180



36.6211, 0.2775, 0.1952



40.9781, 0.3276, 0.2384



15.0149, 0.3078, 0.3054



6.8539, 0.2288, 0.1034



0.5928, 0.2415, 0.1104



# Previews

## White Background



This preview shows how the Yxy color 69.6793, 0.3301, 0.4469 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 69.6793, 0.3301, 0.4469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

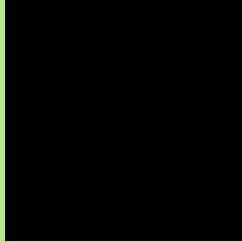
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6793, 0.3301, 0.4469**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6793, 0.3301, 0.4469.



This preview shows how white text looks on a background with the Yxy color 69.6793, 0.3301, 0.4469.

# 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

69.6793, 0.3301, 0.4469

### Protanopia

69.2689, 0.3879, 0.4209

### Deuteranopia

68.7383, 0.3893, 0.3839



## Tritanopia

69.4810, 0.2803, 0.3087

# Trichromacy



## Original Color

69.6793, 0.3301, 0.4469



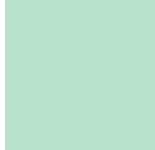
## Protanomaly

68.7927, 0.3652, 0.4300



## Deuteranomaly

67.9644, 0.3670, 0.4049



## Tritanomaly

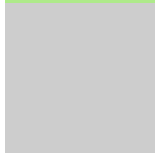
68.8949, 0.2986, 0.3562

# Monochromacy



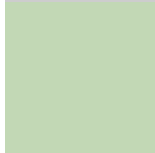
## Original Color

69.6793, 0.3301, 0.4469



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.9173, 0.3202, 0.3712

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6793, 0.3301, 0.4469 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(174, 234, 138)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 138)  
}
```

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(174, 234, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6793, 0.3301, 0.4469 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(174, 234, 138) }
```

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

```
.border{ border-color:rgb(174, 234, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 138);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6793, 0.3301, 0.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 138) }
```

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

```
.background{ background-color: rgb(174,  
234, 138) }
```

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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