

# Converting Colors

Yxy(69.5182, 0.3371, 0.4808)

Have a look what the booklet for  
Yxy(69.5182, 0.3371, 0.4808)  
contains.

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# Color

**Yxy(69.2902, 0.3372, 0.4798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6EC71
RGB	166, 236, 113
RGB Percent	65%, 93%, 44%
CMY	0.3491, 0.0745, 0.5569
CMYK	0.30, 0.00, 0.52, 0.07
HSL	94°, 76%, 68%
HSV	94°, 52%, 93%
XYZ	48.6967, 69.2902, 26.4279
YIQ	201.0480, -2.2370, -53.0930

# Conversions

## Conversions Part 2

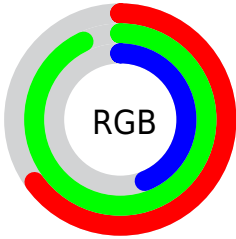
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">113, 236, 183</a>
Decimal	<a href="#">10939505</a>
CIELab	<a href="#">86.65, -42.36, 52.22</a>
CIElCh	<a href="#">87, 67.240, 129.046</a>
Yxy	<a href="#">69.2902, 0.3372, 0.4798</a>
Android (android.graphics.Color)	<a href="#">4289129585 (0xFFA6EC71)</a>
YUV	<a href="#">201.0480, -43.4077, -30.7371</a>
Hunter-Lab	<a href="#">83.2407, -41.2470, 39.4447</a>

# Details

The Yxy color **69.2902, 0.3372, 0.4798** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.9377, 0.2685, 0.1848**, and the grayscale version is **58.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1573, 0.3438, 0.4218**, and **36.2838, 0.3372, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **67.4521, 0.3386, 0.5090**, and if you desaturate by 10%, it is **71.4243, 0.3342, 0.4489**.

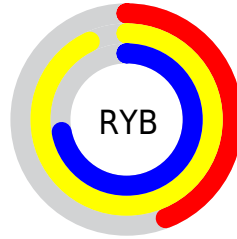
# Distribution



Red (65%)

Green (93%)

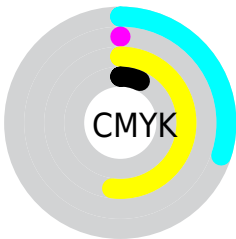
Blue (44%)



Red (44%)

Yellow (93%)

Blue (72%)

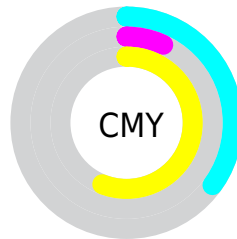


Cyan (30%)

Magenta (0%)

Yellow (52%)

Black (7%)



Cyan (35%)

Magenta (7%)


Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2902, 0.3372, 0.4798 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 69.2902, 0.3372, 0.4798 by changing the saturation by 10% instead.





 69.2902, 0.3372,  
0.4798

 69.2902, 0.3372,  
0.4798


458.0538, 0.3297,  
0.4058


 50.9481, 0.3376,  
0.4973


 118.1960, 0.3356,  
0.4536

 36.1673, 0.3374,  
0.5189


 149.5284, 0.3346,  
0.4435

 24.5634, 0.3358,  
0.5463


 185.9598, 0.3337,  
0.4349

 15.7521, 0.3313,  
0.5815

227.8744, 0.3328,  
0.4275

 9.3489, 0.3210,  
0.6276

275.6567, 0.3319,  
0.4210

 4.9695, 0.3023,  
0.6977

329.6912, 0.3311,

 2.2293, 0.2435,

0.4153

0.7565

390.3621, 0.3304,  
0.4103

0.7359, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.2902, 0.3372,  
0.4798

69.2902, 0.3372,  
0.4798

67.4521, 0.3386,  
0.5090

71.4243, 0.3342,  
0.4489

65.8853, 0.3381,  
0.5349


73.8595, 0.3300,  
0.4180


64.5754, 0.3355,  
0.5559

76.6120, 0.3250,  
0.3881


63.5021, 0.3310,  
0.5709

79.6941, 0.3195,  
0.3600

 62.8008, 0.3266,  
0.5789

 83.1173, 0.3139,  
0.3342

 86.8927, 0.3083,  
0.3108

 88.4775, 0.3136,  
0.3107

# Harmonies

## Analogous

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



69.2902, 0.4112, 0.4652



69.2902, 0.3372, 0.4798



69.2902, 0.2607, 0.4342

# Triad

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



69.2902, 0.3372, 0.4798



69.2902, 0.1782, 0.2217



69.2902, 0.4315, 0.2984

# Complementary

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



69.2902, 0.3372, 0.4798



27.9377, 0.2685, 0.1848

# 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.



69.2902, 0.3529, 0.2493



69.2902, 0.3372, 0.4798



69.2902, 0.2103, 0.2061

# Square

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



69.2902, 0.3372, 0.4798



69.2902, 0.1751, 0.2685



69.2902, 0.2709, 0.2167



69.2902, 0.4731, 0.3562



# Rectangle

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



69.2902, 0.3372, 0.4798



69.2902, 0.2189, 0.3776



69.2902, 0.2709, 0.2167



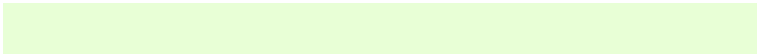
69.2902, 0.4078, 0.2807

# Sweetspot

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



69.2932, 0.3372, 0.4798



93.5025, 0.3217, 0.3708



52.7720, 0.4183, 0.4054



19.8508, 0.3229, 0.3766



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.



69.2932, 0.3372, 0.4798



80.1770, 0.3386, 0.5122



64.8931, 0.3012, 0.4853



17.1793, 0.3181, 0.3529



34.6863, 0.3278, 0.5779



2.7795, 0.3386, 0.5693



# Inverse Universe

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



27.9377, 0.2685, 0.1848



25.7044, 0.2558, 0.1555



35.2348, 0.3264, 0.2111



14.9722, 0.3069, 0.3053



6.2269, 0.2166, 0.0967



0.5456, 0.2305, 0.1044



# Previews

## White Background



This preview shows how the Yxy color 69.2902, 0.3372, 0.4798 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 69.2902, 0.3372, 0.4798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

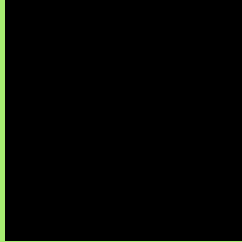
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.2902, 0.3372, 0.4798**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2902, 0.3372, 0.4798.

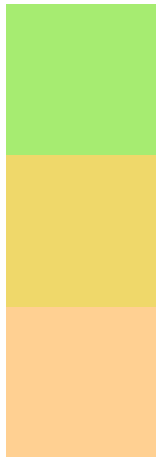


This preview shows how white text looks on a background with the Yxy color 69.2902, 0.3372, 0.4798.

# 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

69.2902, 0.3372, 0.4798

### Protanopia

68.5031, 0.4054, 0.4425

### Deuteranopia

68.4471, 0.3960, 0.3929



## Tritanopia

68.8481, 0.2772, 0.3085

# Trichromacy



## Original Color

69.2902, 0.3372, 0.4798



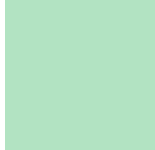
## Protanomaly

67.8765, 0.3784, 0.4562



## Deuteranomaly

67.5520, 0.3743, 0.4227



## Tritanomaly

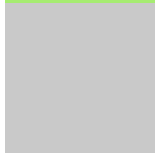
68.2982, 0.3001, 0.3689

# Monochromacy



## Original Color

69.2902, 0.3372, 0.4798



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.6491, 0.3241, 0.3846

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2902, 0.3372, 0.4798 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(166, 236, 113)` looks like.

```
.text, #text, p{  
    color:rgb(166, 236, 113)  
}
```

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(166, 236, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 236, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2902, 0.3372, 0.4798 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(166, 236, 113) }
```

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

```
.border{ border-color:rgb(166, 236, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 236, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 236, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 236, 113); box-shadow:4px 4px 4px 4px rgb(166, 236, 113) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2902, 0.3372, 0.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 236, 113) }
```

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

```
.background{ background-color: rgb(166,  
236, 113) }
```

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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