

# Converting Colors

$Yxy(69.5015, 0.3302, 0.4744)$

Have a look what the booklet for  
Yxy(69.5015, 0.3302, 0.4744)  
contains.

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# Color

**Yxy(69.5015, 0.3302, 0.4744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1ED78
RGB	161, 237, 120
RGB Percent	63%, 93%, 47%
CMY	0.3685, 0.0706, 0.5295
CMYK	0.32, 0.00, 0.49, 0.07
HSL	99°, 76%, 70%
HSV	99°, 49%, 93%
XYZ	48.3756, 69.5015, 28.6269
YIQ	200.9380, -7.7390, -52.4990

# Conversions

## Conversions Part 2

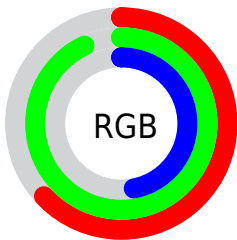
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 237, 196
Decimal	10612088
CIELab	86.75, -43.69, 49.03
CIELCh	87, 65.672, 131.700
Yxy	69.5015, 0.3302, 0.4744
Android (android.graphics.Color)	4288802168 (0xFFA1ED78)
YUV	200.9380, -39.9024, -35.0256
Hunter-Lab	83.3676, -42.3152, 37.9982

# Details

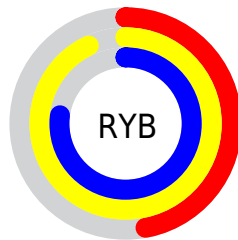
The Yxy color **69.5015, 0.3302, 0.4744** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **31.2711, 0.2800, 0.1957**, and the grayscale version is **58.6279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6361, 0.3365, 0.4154**, and **36.4684, 0.3288, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **67.4969, 0.3310, 0.5055**, and if you desaturate by 10%, it is **71.8512, 0.3280, 0.4423**.

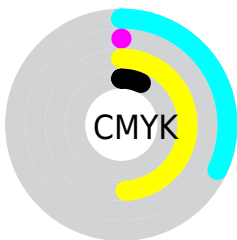
# Distribution



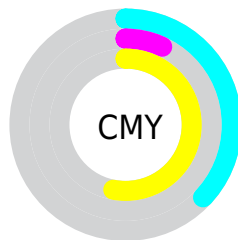
- Red (63%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (77%)



- Cyan (32%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)




- Cyan (37%)
- Magenta (7%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5015, 0.3302, 0.4744 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 69.5015, 0.3302, 0.4744 by changing the saturation by 10% instead.




 69.5015, 0.3302,  
0.4744


 69.5015, 0.3302,  
0.4744


458.7977, 0.3256,  
0.4028

 51.1202, 0.3301,  
0.4915


 118.4976, 0.3294,  
0.4489

 36.3043, 0.3293,  
0.5128


 149.8812, 0.3289,  
0.4391

 24.6693, 0.3272,  
0.5399


 186.3677, 0.3283,  
0.4308

 15.8309, 0.3223,  
0.5753

228.3415, 0.3277,  
0.4237

 9.4045, 0.3117,  
0.6220

276.1871, 0.3271,  
0.4174

 5.0060, 0.2968,  
0.7032

330.2887, 0.3266,

 2.2508, 0.2362,

0.4119

0.7638

391.0308, 0.3261,  
0.4071

0.7475, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.5015, 0.3302,  
0.4744

69.5015, 0.3302,  
0.4744

67.4969, 0.3310,  
0.5055

71.8512, 0.3280,  
0.4423

65.8105, 0.3302,  
0.5337


74.5534, 0.3249,  
0.4106

64.4257, 0.3276,  
0.5571


77.6263, 0.3210,  
0.3806

63.3198, 0.3234,  
0.5743

81.0841, 0.3168,  
0.3528

 62.4614, 0.3182,  
0.5852

 84.9402, 0.3124,  
0.3275

 62.4141, 0.3179,  
0.5858

 88.7364, 0.3124,  
0.3116

 89.0487, 0.3135,  
0.3117

# Harmonies

## Analogous

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



69.5015, 0.4036, 0.4654



69.5015, 0.3302, 0.4744



69.5015, 0.2561, 0.4248

# Triad

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



69.5015, 0.3302, 0.4744



69.5015, 0.1825, 0.2215



69.5015, 0.4341, 0.3041

# Complementary

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



69.5015, 0.3302, 0.4744



31.2711, 0.2800, 0.1957

# 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.



69.5015, 0.3594, 0.2547



69.5015, 0.3302, 0.4744



69.5015, 0.2166, 0.2085

# Square

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



69.5015, 0.3302, 0.4744



69.5015, 0.1769, 0.2647



69.5015, 0.2784, 0.2209



69.5015, 0.4705, 0.3613



# Rectangle

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



69.5015, 0.3302, 0.4744



69.5015, 0.2165, 0.3687



69.5015, 0.2784, 0.2209



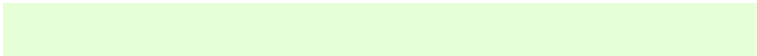
69.5015, 0.4120, 0.2864

# Sweetspot

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



69.5045, 0.3302, 0.4744



93.3676, 0.3192, 0.3683



57.9849, 0.4072, 0.4097



19.8032, 0.3201, 0.3742



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.



69.5045, 0.3302, 0.4744



79.7319, 0.3310, 0.5051



66.3259, 0.2979, 0.4655



17.1191, 0.3168, 0.3530



34.1418, 0.3190, 0.5849



2.7329, 0.3296, 0.5765



# Inverse Universe

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



31.2711, 0.2800, 0.1957



29.8191, 0.2710, 0.1702



36.6741, 0.3332, 0.2232



15.0341, 0.3082, 0.3054



7.1574, 0.2344, 0.1065

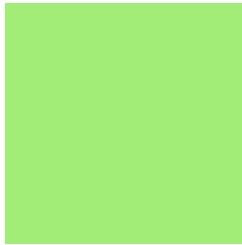


0.6153, 0.2465, 0.1131



# Previews

## White Background



This preview shows how the Yxy color 69.5015, 0.3302, 0.4744 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 69.5015, 0.3302, 0.4744 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 69.5015, 0.3302, 0.4744**

## Background



This preview shows how black text looks on a background with the Yxy color 69.5015, 0.3302, 0.4744.

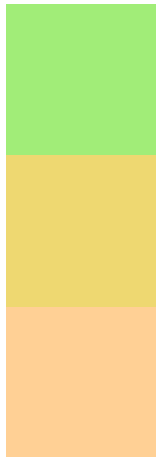


This preview shows how white text looks on a background with the Yxy color 69.5015, 0.3302, 0.4744.

# 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

69.5015, 0.3302, 0.4744

### Protanopia

68.4811, 0.4005, 0.4367

### Deuteranopia

68.5417, 0.3938, 0.3899



## Tritanopia

69.3655, 0.2738, 0.3095

# Trichromacy



## Original Color

69.5015, 0.3302, 0.4744



## Protanomaly

68.2739, 0.3725, 0.4510



## Deuteranomaly

67.8702, 0.3697, 0.4200



## Tritanomaly

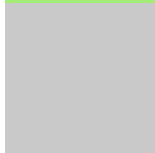
68.9541, 0.2951, 0.3678

# Monochromacy



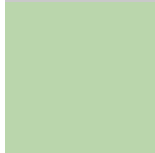
## Original Color

69.5015, 0.3302, 0.4744



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.5108, 0.3205, 0.3810

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5015, 0.3302, 0.4744 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(161, 237, 120)` looks like.

```
.text, #text, p{  
    color:rgb(161, 237, 120)  
}
```

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(161, 237, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 237, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5015, 0.3302, 0.4744 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(161, 237, 120) }
```

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

```
.border{ border-color:rgb(161, 237, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 237, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 237, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 237, 120);  
box-shadow:4px 4px 4px 4px rgb(161, 237,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5015, 0.3302, 0.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 237, 120) }
```

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

```
.background{ background-color: rgb(161,  
237, 120) }
```

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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