

# Converting Colors

$Yxy(64.5420, 0.3024, 0.4035)$

Have a look what the booklet for  
Yxy(64.5420, 0.3024, 0.4035)  
contains.

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# Color

**Yxy(64.4890, 0.3027, 0.4036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EE2A8
RGB	158, 226, 168
RGB Percent	62%, 89%, 66%
CMY	0.3803, 0.1137, 0.3413
CMYK	0.30, 0.00, 0.26, 0.11
HSL	129°, 54%, 75%
HSV	129°, 30%, 89%
XYZ	48.3668, 64.4890, 46.9287
YIQ	199.0560, -21.9100, -32.4540

# Conversions

## Conversions Part 2

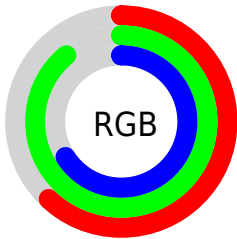
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 217, 226
Decimal	10412712
CIELab	84.22, -32.80, 21.72
CIELCh	84, 39.337, 146.487
Yxy	64.4890, 0.3027, 0.4036
Android (android.graphics.Color)	4288602792 (0xFF9EE2A8)
YUV	199.0560, -15.3106, -36.0061
Hunter-Lab	80.3050, -33.0254, 21.5656

# Details

The Yxy color **64.4890, 0.3027, 0.4036** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.5943, 0.3247, 0.2644**, and the grayscale version is **57.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1439, 0.3056, 0.3627**, and **32.9535, 0.2985, 0.4233** is the 20% darker color. If you saturate the color by 10%, you get **61.7397, 0.2996, 0.4337**, and if you desaturate by 10%, it is **67.7719, 0.3060, 0.3759**.

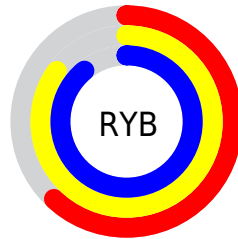
# Distribution



Red (62%)

Green (89%)

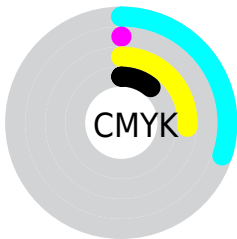
Blue (66%)



Red (62%)

Yellow (85%)

Blue (89%)

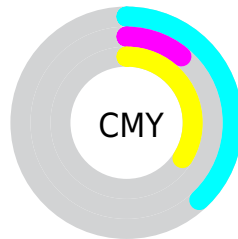


Cyan (30%)

Magenta (0%)

Yellow (26%)

Black (11%)



Cyan (38%)

Magenta (11%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4890, 0.3027, 0.4036 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 64.4890, 0.3027, 0.4036 by changing the saturation by 10% instead.




 64.4890, 0.3027,  
0.4036


 64.4890, 0.3027,  
0.4036


440.9534, 0.3083,  
0.3666

 47.0468, 0.3011,  
0.4127


 111.3149, 0.3049,  
0.3903

 33.0727, 0.2990,  
0.4243


 141.4674, 0.3056,  
0.3852

 22.1821, 0.2961,  
0.4395


176.6255, 0.3063,  
0.3810

 13.9908, 0.2918,  
0.4603

217.1735, 0.3068,  
0.3773

 8.1143, 0.2848,  
0.4906

263.4960, 0.3073,  
0.3741

 4.1681, 0.2725,  
0.5378


315.9772, 0.3077,

 1.7681, 0.2616,


0.3713


0.6649

375.0015, 0.3080,  
0.3688


 0.4671, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 64.4890, 0.3027,  
0.4036

 64.4890, 0.3027,  
0.4036


 61.7397, 0.2996,  
0.4337

 67.7719, 0.3060,  
0.3759


 59.4880, 0.2970,  
0.4653

 71.6060, 0.3094,  
0.3511

 57.7063, 0.2951,  
0.4972

 76.0180, 0.3127,  
0.3292

 56.3608, 0.2941,  
0.5274

 81.0307, 0.3159,  
0.3100

■ 55.4133, 0.2942,  
0.5539

■ 82.8734, 0.3140,  
0.3009

■ 54.8187, 0.2954,  
0.5749

■ 54.5035, 0.2970,  
0.5893

# Harmonies

## Analogous

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



64.4890, 0.3513, 0.4186



64.4890, 0.3027, 0.4036



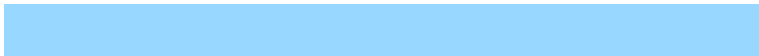
64.4890, 0.2589, 0.3626

# Triad

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



64.4890, 0.3027, 0.4036



64.4890, 0.2368, 0.2533



64.4890, 0.4018, 0.3342

# Complementary

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



64.4890, 0.3027, 0.4036



45.5943, 0.3247, 0.2644

# 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.



64.4890, 0.3663, 0.2968



64.4890, 0.3027, 0.4036



64.4890, 0.2698, 0.2519

# Square

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



64.4890, 0.3027, 0.4036



64.4890, 0.2232, 0.2741



64.4890, 0.3168, 0.2676



64.4890, 0.4108, 0.3731



# Rectangle

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



64.4890, 0.3027, 0.4036



64.4890, 0.2380, 0.3293



64.4890, 0.3168, 0.2676



64.4890, 0.3925, 0.3212

# Sweetspot

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



64.4917, 0.3027, 0.4036



94.7058, 0.3097, 0.3487



71.6054, 0.3511, 0.4057



20.1005, 0.3092, 0.3522



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

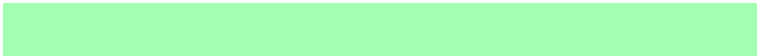


# Same Dimension

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



64.4917, 0.3027, 0.4036



82.4870, 0.3008, 0.4219



65.8864, 0.2833, 0.3600



15.3697, 0.3096, 0.3496



31.1044, 0.2965, 0.5875



2.1664, 0.2899, 0.5636



# Inverse Universe

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



45.5943, 0.3247, 0.2644



53.9108, 0.3277, 0.2512



44.0502, 0.3554, 0.3002



13.8994, 0.3160, 0.3092



11.4334, 0.3615, 0.1765

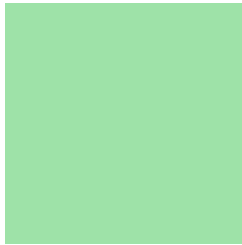


0.8020, 0.3543, 0.1725



# Previews

## White Background



This preview shows how the Yxy color 64.4890, 0.3027, 0.4036 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

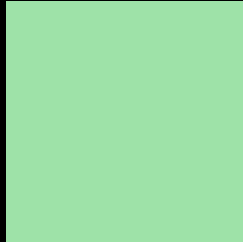
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4890, 0.3027, 0.4036 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 64.4890, 0.3027, 0.4036**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4890, 0.3027, 0.4036.



This preview shows how white text looks on a background with the Yxy color 64.4890, 0.3027, 0.4036.

# 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

64.4890, 0.3027, 0.4036

### Protanopia

63.9863, 0.3601, 0.3847

### Deuteranopia

63.6677, 0.3673, 0.3595



## Tritanopia

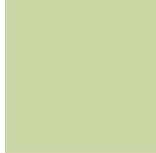
64.2818, 0.2709, 0.3077

# Trichromacy



## Original Color

64.4890, 0.3027, 0.4036



## Protanomaly

63.5246, 0.3373, 0.3914



## Deuteranomaly

62.8823, 0.3413, 0.3748



## Tritanomaly

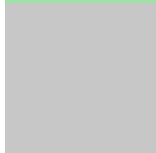
63.9965, 0.2819, 0.3399

# Monochromacy



## Original Color

64.4890, 0.3027, 0.4036



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.4221, 0.3085, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.4890, 0.3027, 0.4036 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(158, 226, 168)` looks like.

```
.text, #text, p{  
    color:rgb(158, 226, 168)  
}
```

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(158, 226, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 226, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4890, 0.3027, 0.4036 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(158, 226, 168) }
```

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

```
.border{ border-color:rgb(158, 226, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 226, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 226, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 226, 168);  
box-shadow:4px 4px 4px 4px rgb(158, 226,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4890, 0.3027, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 226, 168) }
```

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

```
.background{ background-color: rgb(158,  
226, 168) }
```

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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