

# Converting Colors

$Yxy(69.8729, 0.3088, 0.4297)$

Have a look what the booklet for  
Yxy(69.8729, 0.3088, 0.4297)  
contains.

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# Color

**Yxy(69.6943, 0.3087, 0.4287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EEC9D
RGB	158, 236, 157
RGB Percent	62%, 93%, 62%
CMY	0.3802, 0.0745, 0.3844
CMYK	0.33, 0.00, 0.33, 0.07
HSL	119°, 68%, 77%
HSV	119°, 33%, 93%
XYZ	50.1857, 69.6943, 42.6912
YIQ	203.6720, -21.1290, -41.1050

# Conversions

## Conversions Part 2

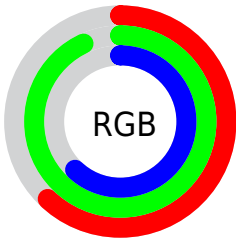
Format	Color
<a href="#">RYB</a>	<a href="#">157, 236, 235</a>
Decimal	<a href="#">10415261</a>
CIELab	<a href="#">86.85, -39.18, 30.94</a>
CIELCh	<a href="#">87, 49.922, 141.702</a>
Yxy	<a href="#">69.6943, 0.3087, 0.4287</a>
Android (android.graphics.Color)	<a href="#">4288605341 (0xFF9EEC9D)</a>
YUV	<a href="#">203.6720, -23.0093, -40.0543</a>
Hunter-Lab	<a href="#">83.4831, -38.7904, 28.1187</a>

# Details

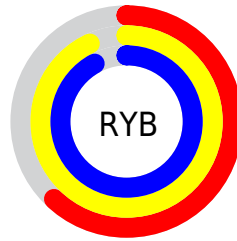
The Yxy color **69.6943, 0.3087, 0.4287** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.8096, 0.3157, 0.2457**, and the grayscale version is **60.3291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7205, 0.3124, 0.3746**, and **36.5460, 0.3053, 0.4560** is the 20% darker color. If you saturate the color by 10%, you get **66.8255, 0.3072, 0.4643**, and if you desaturate by 10%, it is **73.1719, 0.3101, 0.3951**.

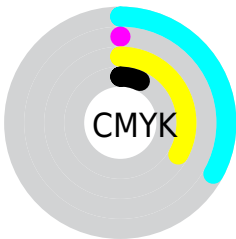
# Distribution



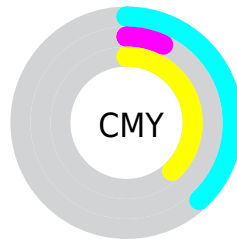
- Red (62%)
- Green (93%)
- Blue (62%)



- Red (62%)
- Yellow (93%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)




- Cyan (38%)
- Magenta (7%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6943, 0.3087, 0.4287 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 69.6943, 0.3087, 0.4287 by changing the saturation by 10% instead.




 69.6943, 0.3087,  
0.4287


 69.6943, 0.3087,  
0.4287


459.4759, 0.3121,  
0.3796

 51.2774, 0.3075,  
0.4406


 118.7727, 0.3102,  
0.4111

 36.4294, 0.3057,  
0.4557

 150.2029, 0.3107,  
0.4044

 24.7660, 0.3030,  
0.4754


186.7397, 0.3111,  
0.3987

 15.9028, 0.2986,  
0.5020

228.7675, 0.3114,  
0.3938

 9.4554, 0.2911,  
0.5396

276.6706, 0.3116,  
0.3895

 5.0394, 0.2769,  
0.5957

330.8334, 0.3118,

 2.2704, 0.2644,

0.3858

391.6404, 0.3120,  
0.3825

0.7356

0.7580, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.6943, 0.3087,  
0.4287

69.6943, 0.3087,  
0.4287

66.8255, 0.3072,  
0.4643

73.1719, 0.3101,  
0.3951

64.5222, 0.3055,  
0.5002

77.2809, 0.3113,  
0.3646

62.7498, 0.3039,  
0.5338

82.0538, 0.3124,  
0.3376

61.4658, 0.3025,  
0.5624

87.5181, 0.3133,  
0.3140

■ 60.6215, 0.3013,  
0.5835

■ 88.4705, 0.3136,  
0.3107

■ 60.1582, 0.3005,  
0.5958

■ 60.0111, 0.3002,  
0.5998

# Harmonies

## Analogous

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



69.6943, 0.3677, 0.4396



69.6943, 0.3087, 0.4287



69.6943, 0.2537, 0.3805

# Triad

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



69.6943, 0.3087, 0.4287



69.6943, 0.2164, 0.2392



69.6943, 0.4181, 0.3264

# Complementary

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



69.6943, 0.3087, 0.4287



47.8096, 0.3157, 0.2457

# 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.



69.6943, 0.3695, 0.2831



69.6943, 0.3087, 0.4287



69.6943, 0.2521, 0.2347

# Square

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



69.6943, 0.3087, 0.4287



69.6943, 0.2042, 0.2669



69.6943, 0.3072, 0.2507



69.6943, 0.4345, 0.3733



# Rectangle

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



69.6943, 0.3087, 0.4287



69.6943, 0.2265, 0.3383



69.6943, 0.3072, 0.2507



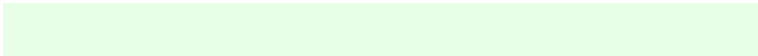
69.6943, 0.4048, 0.3112

# Sweetspot

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



69.6972, 0.3087, 0.4287



94.0027, 0.3117, 0.3549



79.5008, 0.3636, 0.4112



19.9541, 0.3116, 0.3589



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.



69.6972, 0.3087, 0.4287



80.7277, 0.3077, 0.4524



71.1033, 0.2868, 0.3792



16.8719, 0.3118, 0.3533



33.0839, 0.3003, 0.5998



2.6013, 0.3011, 0.5991



# Inverse Universe

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



47.8096, 0.3157, 0.2457



51.0008, 0.3162, 0.2298



46.0047, 0.3507, 0.2840



15.3027, 0.3136, 0.3058



12.8734, 0.3175, 0.1523

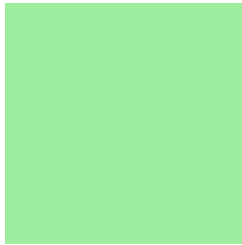


1.0142, 0.3180, 0.1526



# Previews

## White Background



This preview shows how the Yxy color 69.6943, 0.3087, 0.4287 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 69.6943, 0.3087, 0.4287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

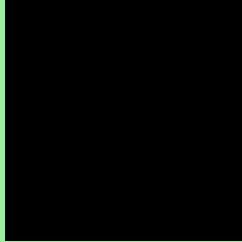
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6943, 0.3087, 0.4287**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6943, 0.3087, 0.4287.



This preview shows how white text looks on a background with the Yxy color 69.6943, 0.3087, 0.4287.

# 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

69.6943, 0.3087, 0.4287

### Protanopia

68.7741, 0.3737, 0.4021

### Deuteranopia

69.0161, 0.3833, 0.3757



## Tritanopia

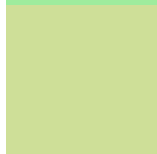
69.3202, 0.2693, 0.3083

# Trichromacy



## Original Color

69.6943, 0.3087, 0.4287



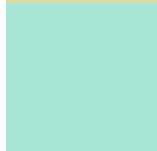
## Protanomaly

68.1642, 0.3475, 0.4119



## Deuteranomaly

67.9317, 0.3536, 0.3937



## Tritanomaly

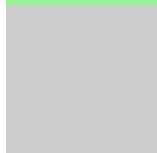
69.1169, 0.2833, 0.3494

# Monochromacy



## Original Color

69.6943, 0.3087, 0.4287



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

63.2644, 0.3111, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6943, 0.3087, 0.4287 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, 236, 157)` looks like.

```
.text, #text, p{  
    color:rgb(158, 236, 157)  
}
```

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, 236, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 236, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6943, 0.3087, 0.4287 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, 236, 157) }
```

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

```
.border{ border-color:rgb(158, 236, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 236, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 236, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 236, 157);  
box-shadow:4px 4px 4px 4px rgb(158, 236,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6943, 0.3087, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 236, 157) }
```

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

```
.background{ background-color: rgb(158,  
236, 157) }
```

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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