

# Converting Colors

$Yxy(67.0702, 0.3057, 0.4779)$

Have a look what the booklet for  
Yxy(67.0702, 0.3057, 0.4779)  
contains.

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# Color

**Yxy(67.0910, 0.3057, 0.4776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EEE7E
RGB	126, 238, 126
RGB Percent	49%, 93%, 49%
CMY	0.5060, 0.0666, 0.5057
CMYK	0.47, 0.00, 0.47, 0.07
HSL	120°, 77%, 71%
HSV	120°, 47%, 93%
XYZ	42.9433, 67.0910, 30.4410
YIQ	191.7440, -30.8000, -58.5760

# Conversions

## Conversions Part 2

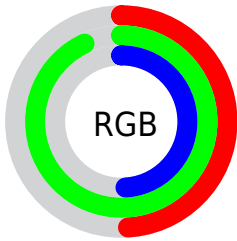
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 238, 238
Decimal	8318590
CIELab	85.55, -54.05, 44.31
CIELCh	86, 69.889, 140.654
Yxy	67.0910, 0.3057, 0.4776
Android (android.graphics.Color)	4286508670 (0xFF7EEE7E)
YUV	191.7440, -32.4118, -57.6575
Hunter-Lab	81.9091, -49.7569, 35.3016

# Details

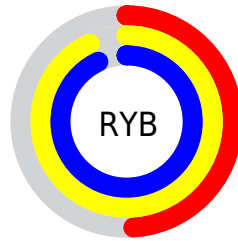
The Yxy color **67.0910, 0.3057, 0.4776** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.2602, 0.3182, 0.2148**, and the grayscale version is **52.7604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0056, 0.3111, 0.4147**, and **34.7004, 0.2994, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **64.9522, 0.3040, 0.5131**, and if you desaturate by 10%, it is **69.8117, 0.3074, 0.4415**.

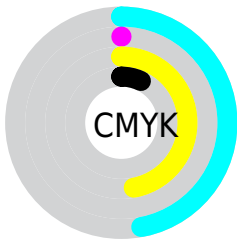
# Distribution



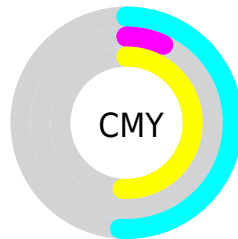
- Red (49%)
- Green (93%)
- Blue (49%)



- Red (49%)
- Yellow (93%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (47%)
- Black (7%)




- Cyan (51%)
- Magenta (7%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0910, 0.3057, 0.4776 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 67.0910, 0.3057, 0.4776 by changing the saturation by 10% instead.



 67.0910, 0.3057,  
0.4776

 67.0910, 0.3057,  
0.4776


450.2686, 0.3125,  
0.4028


 49.1586, 0.3030,  
0.4960


 115.0508, 0.3089,  
0.4505

 34.7453, 0.2991,  
0.5193


 145.8470, 0.3099,  
0.4403

 23.4667, 0.2930,  
0.5495


 181.6998, 0.3106,  
0.4317

 14.9385, 0.2831,  
0.5900

222.9938, 0.3112,  
0.4243

 8.7763, 0.2659,  
0.6455

270.1133, 0.3116,  
0.4178

 4.5955, 0.2444,  
0.7556

323.4426, 0.3120,

 2.0120, 0.1360,

0.4122

0.8640

383.3663, 0.3123,  
0.4072

0.6144, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.0910, 0.3057,  
0.4776

67.0910, 0.3057,  
0.4776

64.9522, 0.3040,  
0.5131

69.8117, 0.3074,  
0.4415

63.3453, 0.3025,  
0.5453


73.1433, 0.3090,  
0.4070


62.2260, 0.3013,  
0.5714


77.1228, 0.3105,  
0.3752


61.5392, 0.3005,  
0.5893

81.7820, 0.3119,  
0.3469

 61.2136, 0.3001,  
0.5983

 87.1507, 0.3130,  
0.3221

 61.1534, 0.3000,  
0.6000

 89.6331, 0.3135,  
0.3127

# Harmonies

## Analogous

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



67.0910, 0.3865, 0.4839



67.0910, 0.3057, 0.4776



67.0910, 0.2311, 0.4067

# Triad

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



67.0910, 0.3057, 0.4776



67.0910, 0.1820, 0.2072



67.0910, 0.4605, 0.3191

# Complementary

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



67.0910, 0.3057, 0.4776



39.2602, 0.3182, 0.2148

# 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.



67.0910, 0.3891, 0.2639



67.0910, 0.3057, 0.4776



67.0910, 0.2267, 0.2024

# Square

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



67.0910, 0.3057, 0.4776



67.0910, 0.1671, 0.2421



67.0910, 0.3002, 0.2227



67.0910, 0.4828, 0.3804



# Rectangle

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



67.0910, 0.3057, 0.4776



67.0910, 0.1952, 0.3427



67.0910, 0.3002, 0.2227



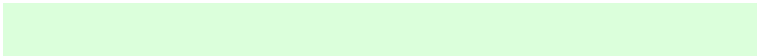
67.0910, 0.4411, 0.2997

# Sweetspot

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



67.0938, 0.3057, 0.4776



91.7583, 0.3109, 0.3663



80.8369, 0.3822, 0.4439



19.3990, 0.3106, 0.3727



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.



67.0938, 0.3057, 0.4776



76.1546, 0.3042, 0.5101



68.9630, 0.2774, 0.4018



17.6566, 0.3116, 0.3534



34.1153, 0.3000, 0.6000



2.8381, 0.3000, 0.5998



# Inverse Universe

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



39.2602, 0.3182, 0.2148



40.1057, 0.3190, 0.1966



36.4685, 0.3756, 0.2677



16.0312, 0.3138, 0.3058



13.5793, 0.3211, 0.1543

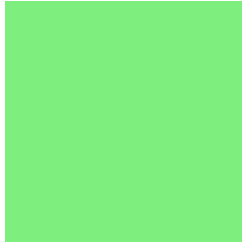


1.1297, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 67.0910, 0.3057, 0.4776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

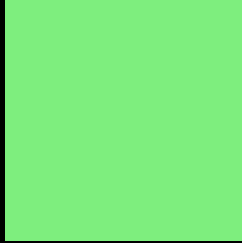
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0910, 0.3057, 0.4776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

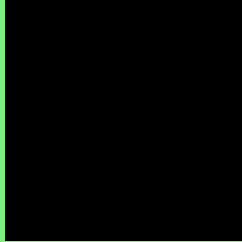
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0910, 0.3057, 0.4776**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0910, 0.3057, 0.4776.

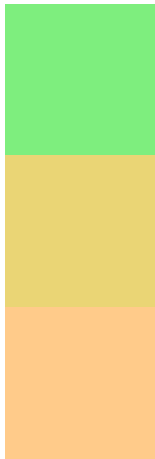


This preview shows how white text looks on a background with the Yxy color 67.0910, 0.3057, 0.4776.

# 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**

67.0910, 0.3057, 0.4776

**Protanopia**

66.3653, 0.3964, 0.4317

**Deuteranopia**

65.8069, 0.4042, 0.3960



## Tritanopia

66.8055, 0.2563, 0.3075

# Trichromacy



## Original Color

67.0910, 0.3057, 0.4776



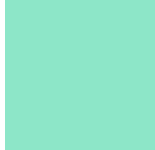
## Protanomaly

65.2007, 0.3592, 0.4502



## Deuteranomaly

64.2429, 0.3630, 0.4250



## Tritanomaly

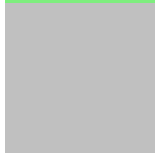
66.4265, 0.2747, 0.3670

# Monochromacy



## Original Color

67.0910, 0.3057, 0.4776



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

56.7529, 0.3102, 0.3826

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0910, 0.3057, 0.4776 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(126, 238, 126)` looks like.

```
.text, #text, p{  
    color:rgb(126, 238, 126)  
}
```

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(126, 238, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 238, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0910, 0.3057, 0.4776 is called "border". The border property can be set on classes, ids or directly on the HTML element.

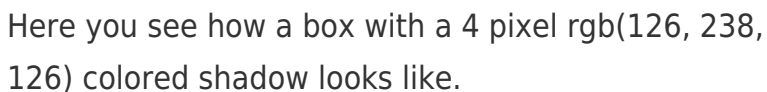
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 238, 126) }
```

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

```
.border{ border-color:rgb(126, 238, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 238, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 238, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 238, 126); box-shadow:4px 4px 4px 4px rgb(126, 238, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0910, 0.3057, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 238, 126) }
```

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

```
.background{ background-color: rgb(126,  
238, 126) }
```

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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