

# Converting Colors

Yxy(64.7852, 0.3056, 0.4813)

Have a look what the booklet for  
Yxy(64.7852, 0.3056, 0.4813)  
contains.

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# Color

**Yxy(64.9594, 0.3056, 0.4812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AEB7A
RGB	122, 235, 122
RGB Percent	48%, 92%, 48%
CMY	0.5213, 0.0784, 0.5215
CMYK	0.48, 0.00, 0.48, 0.08
HSL	120°, 74%, 70%
HSV	120°, 48%, 92%
XYZ	41.2543, 64.9594, 28.7808
YIQ	188.3310, -31.0750, -59.0990

# Conversions

## Conversions Part 2

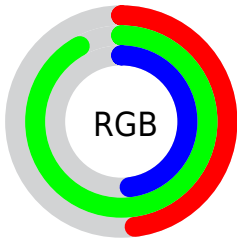
Format	Color
<a href="#">RYB</a>	<a href="#">122, 235, 235</a>
Decimal	<a href="#">8055674</a>
CIELab	<a href="#">84.46, -54.46, 44.86</a>
CIELCh	<a href="#">84, 70.554, 140.522</a>
Yxy	<a href="#">64.9594, 0.3056, 0.4812</a>
Android (android.graphics.Color)	<a href="#">4286245754</a> ( <a href="#">0xFF7AEB7A</a> )
YUV	<a href="#">188.3310, -32.7012, -58.1723</a>
Hunter-Lab	<a href="#">80.5974, -49.6789, 35.2461</a>

# Details

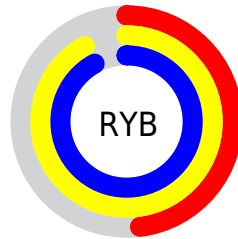
The Yxy color **64.9594, 0.3056, 0.4812** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.5749, 0.3181, 0.2127**, and the grayscale version is **50.7008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3579, 0.3108, 0.4200**, and **33.2751, 0.2987, 0.5245** is the 20% darker color. If you saturate the color by 10%, you get **62.9347, 0.3039, 0.5165**, and if you desaturate by 10%, it is **67.5448, 0.3073, 0.4451**.

# Distribution



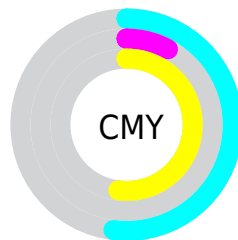
- Red (48%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (92%)



- Cyan (48%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)




- Cyan (52%)
- Magenta (8%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9594, 0.3056, 0.4812 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 64.9594, 0.3056, 0.4812 by changing the saturation by 10% instead.




 64.9594, 0.3056,  
0.4812


 64.9594, 0.3056,  
0.4812


442.6461, 0.3126,  
0.4041

 47.4282, 0.3028,  
0.5003


 111.9915, 0.3090,  
0.4532

 33.3743, 0.2986,  
0.5245


 142.2611, 0.3100,  
0.4427

 22.4133, 0.2921,  
0.5560

 177.5457, 0.3107,  
0.4338

 14.1609, 0.2814,  
0.5982

218.2295, 0.3113,  
0.4261

 8.2327, 0.2627,  
0.6561

264.6971, 0.3118,  
0.4195

 4.2442, 0.2362,  
0.7638

317.3328, 0.3121,

 1.8111, 0.0960,

0.4138

0.9040

376.5210, 0.3124,  
0.4087

■ 0.4941, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.9594, 0.3056,  
0.4812

■ 64.9594, 0.3056,  
0.4812

■ 62.9347, 0.3039,  
0.5165

■ 67.5448, 0.3073,  
0.4451

■ 61.4219, 0.3025,  
0.5482


■ 70.7193, 0.3089,  
0.4103


■ 60.3773, 0.3013,  
0.5736


■ 74.5192, 0.3104,  
0.3783

■ 59.7467, 0.3005,  
0.5905

■ 78.9755, 0.3118,  
0.3496

 59.4541, 0.3001,  
0.5989

 84.1171, 0.3129,  
0.3244

 59.4151, 0.3000,  
0.6000

 87.8945, 0.3136,  
0.3097

# Harmonies

## Analogous

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



64.9594, 0.3878, 0.4868



64.9594, 0.3056, 0.4812



64.9594, 0.2297, 0.4088

# Triad

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



64.9594, 0.3056, 0.4812



64.9594, 0.1797, 0.2051



64.9594, 0.4633, 0.3184

# Complementary

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



64.9594, 0.3056, 0.4812



37.5749, 0.3181, 0.2127

# 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.



64.9594, 0.3902, 0.2625



64.9594, 0.3056, 0.4812



64.9594, 0.2249, 0.2003

# Square

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



64.9594, 0.3056, 0.4812



64.9594, 0.1647, 0.2405



64.9594, 0.2994, 0.2208



64.9594, 0.4860, 0.3805



# Rectangle

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



64.9594, 0.3056, 0.4812



64.9594, 0.1932, 0.3433



64.9594, 0.2994, 0.2208



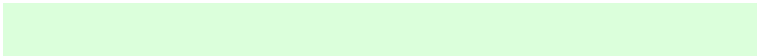
64.9594, 0.4434, 0.2987

# Sweetspot

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



64.9621, 0.3056, 0.4812



91.7592, 0.3110, 0.3663



77.4090, 0.3843, 0.4444



19.3992, 0.3107, 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.



64.9621, 0.3056, 0.4812



75.7193, 0.3039, 0.5171



66.7126, 0.2779, 0.4062



16.8625, 0.3116, 0.3534



33.0686, 0.3000, 0.6000



2.5968, 0.3000, 0.6000



# Inverse Universe

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



37.5749, 0.3181, 0.2127



39.0050, 0.3191, 0.1928



34.8959, 0.3752, 0.2645



15.3135, 0.3138, 0.3058



13.1592, 0.3208, 0.1541

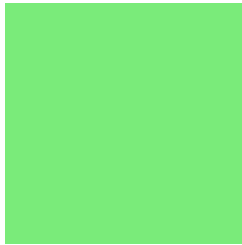


1.0334, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 64.9594, 0.3056, 0.4812 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 64.9594, 0.3056, 0.4812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

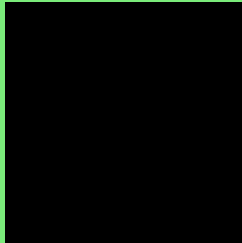
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9594, 0.3056, 0.4812**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9594, 0.3056, 0.4812.



This preview shows how white text looks on a background with the Yxy color 64.9594, 0.3056, 0.4812.

# 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

64.9594, 0.3056, 0.4812

### Protanopia

64.2744, 0.3981, 0.4338

### Deuteranopia

63.8299, 0.4093, 0.4003



## Tritanopia

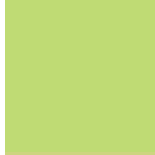
64.7369, 0.2557, 0.3072

# Trichromacy



## Original Color

64.9594, 0.3056, 0.4812



## Protanomaly

63.0004, 0.3594, 0.4532



## Deuteranomaly

62.1261, 0.3656, 0.4296



## Tritanomaly

64.3727, 0.2743, 0.3676

# Monochromacy



## Original Color

64.9594, 0.3056, 0.4812



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

54.2355, 0.3102, 0.3837

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9594, 0.3056, 0.4812 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(122, 235, 122)` looks like.

```
.text, #text, p{  
    color:rgb(122, 235, 122)  
}
```

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(122, 235, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 235, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9594, 0.3056, 0.4812 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(122, 235, 122) }
```

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

```
.border{ border-color:rgb(122, 235, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 235, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 235, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 235, 122);  
box-shadow:4px 4px 4px 4px rgb(122, 235,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9594, 0.3056, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 235, 122) }
```

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

```
.background{ background-color: rgb(122,  
235, 122) }
```

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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