

# Converting Colors

Yxy(63.4004, 0.3178, 0.4470)

Have a look what the booklet for  
Yxy(63.4004, 0.3178, 0.4470)  
contains.

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# Color

**Yxy(63.5166, 0.3173, 0.4467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E389
RGB	153, 227, 137
RGB Percent	60%, 89%, 54%
CMY	0.4001, 0.1098, 0.4627
CMYK	0.33, 0.00, 0.40, 0.11
HSL	109°, 62%, 71%
HSV	109°, 40%, 89%
XYZ	45.1171, 63.5166, 33.5570
YIQ	194.6140, -15.2140, -43.6780

# Conversions

## Conversions Part 2

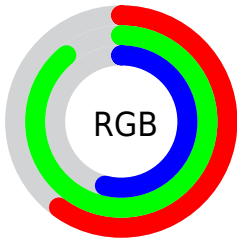
Format	Color
<a href="#">RYB</a>	<a href="#">137, 227, 211</a>
Decimal	<a href="#">10085257</a>
CIELab	<a href="#">83.71, -39.76, 36.83</a>
CIElCh	<a href="#">84, 54.196, 137.197</a>
Yxy	<a href="#">63.5166, 0.3173, 0.4467</a>
Android (android.graphics.Color)	<a href="#">4288275337</a> ( <a href="#">0xFF99E389</a> )
YUV	<a href="#">194.6140, -28.4037, -36.4955</a>
Hunter-Lab	<a href="#">79.6973, -38.4204, 30.8237</a>

# Details

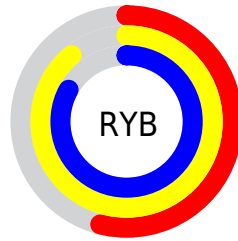
The Yxy color **63.5166, 0.3173, 0.4467** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.3044, 0.3026, 0.2271**, and the grayscale version is **54.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9832, 0.3211, 0.3983**, and **32.3944, 0.3147, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **61.2576, 0.3172, 0.4809**, and if you desaturate by 10%, it is **66.2026, 0.3167, 0.4133**.

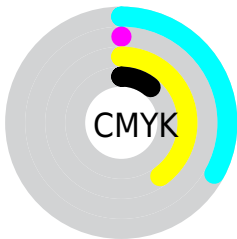
# Distribution



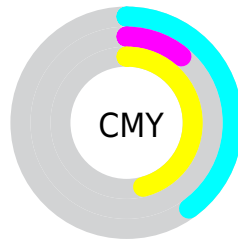
- Red (60%)
- Green (89%)
- Blue (54%)



- Red (54%)
- Yellow (89%)
- Blue (83%)



- Cyan (33%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5166, 0.3173, 0.4467 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 63.5166, 0.3173, 0.4467 by changing the saturation by 10% instead.





 63.5166, 0.3173,  
0.4467


 63.5166, 0.3173,  
0.4467

437.4419, 0.3173,  
0.3877


 46.2593, 0.3166,  
0.4613


 109.9145, 0.3178,  
0.4253

 32.4505, 0.3153,  
0.4798


 139.8238, 0.3179,  
0.4173

 21.7058, 0.3129,  
0.5040


 174.7192, 0.3178,  
0.4105

 13.6409, 0.3084,  
0.5368

214.9852, 0.3178,  
0.4046

 7.8713, 0.2993,  
0.5829

261.0060, 0.3177,  
0.3995

 4.0127, 0.2866,  
0.6663

313.1661, 0.3176,

 1.6807, 0.2194,

0.3951

0.7806

371.8500, 0.3174,  
0.3912

0.4111, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.5166, 0.3173,  
0.4467

63.5166, 0.3173,  
0.4467

61.2576, 0.3172,  
0.4809

66.2026, 0.3167,  
0.4133

59.3957, 0.3163,  
0.5142


69.3277, 0.3156,  
0.3821


57.9096, 0.3145,  
0.5442


72.9135, 0.3142,  
0.3536


56.7727, 0.3118,  
0.5687


76.9780, 0.3127,  
0.3281

 55.9548, 0.3085,  
0.5859

 81.5379, 0.3110,  
0.3057

 55.4146, 0.3051,  
0.5957

 83.4239, 0.3140,  
0.3019

 55.3991, 0.3050,  
0.5960

# Harmonies

## Analogous

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



63.5166, 0.3821, 0.4505



63.5166, 0.3173, 0.4467



63.5166, 0.2547, 0.3972

# Triad

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



63.5166, 0.3173, 0.4467



63.5166, 0.2027, 0.2322



63.5166, 0.4246, 0.3176

# Complementary

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



63.5166, 0.3173, 0.4467



37.3044, 0.3026, 0.2271

# 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.



63.5166, 0.3658, 0.2718



63.5166, 0.3173, 0.4467



63.5166, 0.2379, 0.2243

# Square

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



63.5166, 0.3173, 0.4467



63.5166, 0.1933, 0.2660



63.5166, 0.2959, 0.2387



63.5166, 0.4487, 0.3689



# Rectangle

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



63.5166, 0.3173, 0.4467



63.5166, 0.2226, 0.3497



63.5166, 0.2959, 0.2387



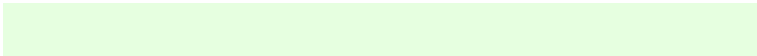
63.5166, 0.4079, 0.3013

# Sweetspot

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



63.5193, 0.3173, 0.4467



93.7167, 0.3146, 0.3603



64.4863, 0.3785, 0.4111



19.9246, 0.3148, 0.3639



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.



63.5193, 0.3173, 0.4467



80.0998, 0.3173, 0.4764



62.9998, 0.2912, 0.4110



16.2112, 0.3142, 0.3531



32.3411, 0.3057, 0.5955



2.4259, 0.3146, 0.5884



# Inverse Universe

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



37.3044, 0.3026, 0.2271



41.2635, 0.2993, 0.2055



38.3318, 0.3446, 0.2596



14.4794, 0.3110, 0.3056



9.4269, 0.2766, 0.1297



0.7306, 0.2834, 0.1335



# Previews

## White Background



This preview shows how the Yxy color 63.5166, 0.3173, 0.4467 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 63.5166, 0.3173, 0.4467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

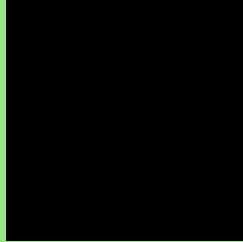
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.5166, 0.3173, 0.4467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5166, 0.3173, 0.4467.

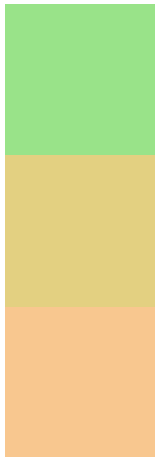


This preview shows how white text looks on a background with the Yxy color 63.5166, 0.3173, 0.4467.

# 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

63.5166, 0.3173, 0.4467

### Protanopia

63.0276, 0.3852, 0.4171

### Deuteranopia

62.7865, 0.3966, 0.3885



## Tritanopia

63.5410, 0.2713, 0.3088

# Trichromacy



## Original Color

63.5166, 0.3173, 0.4467



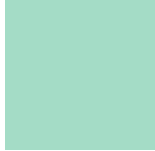
## Protanomaly

62.5462, 0.3582, 0.4285



## Deuteranomaly

61.6701, 0.3648, 0.4086



## Tritanomaly

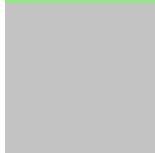
63.1561, 0.2884, 0.3565

# Monochromacy



## Original Color

63.5166, 0.3173, 0.4467



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

57.3849, 0.3153, 0.3709

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5166, 0.3173, 0.4467 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(153, 227, 137)` looks like.

```
.text, #text, p{  
    color:rgb(153, 227, 137)  
}
```

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(153, 227, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 227, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5166, 0.3173, 0.4467 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(153, 227, 137) }
```

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

```
.border{ border-color:rgb(153, 227, 137) }
```

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

Here you see how a box with a 4 pixel rgb(153, 227, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 227, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 227, 137);  
box-shadow:4px 4px 4px 4px rgb(153, 227,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5166, 0.3173, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 227, 137) }
```

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

```
.background{ background-color: rgb(153,  
227, 137) }
```

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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