

# Converting Colors

$Yxy(59.8791, 0.3196, 0.4386)$

Have a look what the booklet for  
Yxy(59.8791, 0.3196, 0.4386)  
contains.

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# Color

**Yxy(59.9611, 0.3195, 0.4392)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDC89
RGB	155, 220, 137
RGB Percent	61%, 86%, 54%
CMY	0.3924, 0.1372, 0.4627
CMYK	0.30, 0.00, 0.38, 0.14
HSL	107°, 54%, 70%
HSV	107°, 38%, 86%
XYZ	43.6192, 59.9611, 32.9431
YIQ	191.1030, -12.0970, -39.5930

# Conversions

## Conversions Part 2

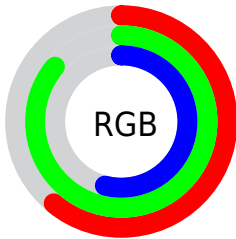
Format	Color
<a href="#">RYB</a>	<a href="#">137, 220, 202</a>
Decimal	<a href="#">10214537</a>
CIELab	<a href="#">81.82, -35.95, 34.38</a>
CIElCh	<a href="#">82, 49.750, 136.279</a>
Yxy	<a href="#">59.9611, 0.3195, 0.4392</a>
Android (android.graphics.Color)	<a href="#">4288404617 (0xFF9BDC89)</a>
YUV	<a href="#">191.1030, -26.6728, -31.6623</a>
Hunter-Lab	<a href="#">77.4346, -34.9606, 28.9803</a>

# Details

The Yxy color **59.9611, 0.3195, 0.4392** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.6275, 0.3002, 0.2313**, and the grayscale version is **52.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1305, 0.3218, 0.3982**, and **30.3489, 0.3182, 0.4710** is the 20% darker color. If you saturate the color by 10%, you get **57.8098, 0.3200, 0.4729**, and if you desaturate by 10%, it is **62.4900, 0.3182, 0.4066**.

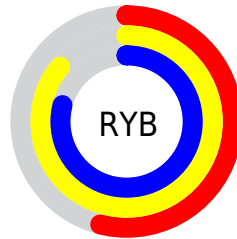
# Distribution



Red (61%)

Green (86%)

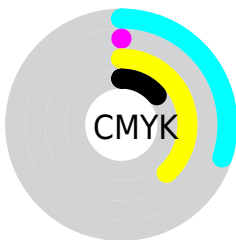
Blue (54%)



Red (54%)

Yellow (86%)

Blue (79%)

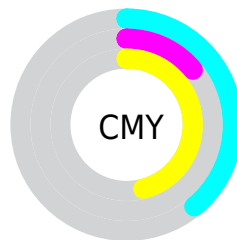


Cyan (30%)

Magenta (0%)

Yellow (38%)

Black (14%)



Cyan (39%)

Magenta (14%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9611, 0.3195, 0.4392 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 59.9611, 0.3195, 0.4392 by changing the saturation by 10% instead.




 59.9611, 0.3195,  
0.4392


 59.9611, 0.3195,  
0.4392


424.4544, 0.3181,  
0.3836

 43.3873, 0.3192,  
0.4530


 104.7732, 0.3195,  
0.4190

 30.1891, 0.3184,  
0.4707


 133.7803, 0.3193,  
0.4114

 19.9822, 0.3167,  
0.4940


 167.7007, 0.3192,  
0.4050

 12.3821, 0.3132,  
0.5259

206.9186, 0.3190,  
0.3995

 7.0045, 0.3055,  
0.5713

251.8185, 0.3187,  
0.3947

 3.4649, 0.2970,  
0.6600

302.7849, 0.3185,

 1.3790, 0.2096,

0.3905

0.7904

360.2020, 0.3183,  
0.3869

0.2012, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.9611, 0.3195,  
0.4392

59.9611, 0.3195,  
0.4392

57.8098, 0.3200,  
0.4729

62.4900, 0.3182,  
0.4066

56.0101, 0.3196,  
0.5060


65.4055, 0.3165,  
0.3761

54.5449, 0.3182,  
0.5364


68.7262, 0.3144,  
0.3484

53.3924, 0.3156,  
0.5620


72.4669, 0.3122,  
0.3236

 52.5279, 0.3121,  
0.5808

 76.6418, 0.3099,  
0.3017

 51.9209, 0.3081,  
0.5922

 79.6736, 0.3143,  
0.2950

 51.8114, 0.3073,  
0.5942

# Harmonies

## Analogous

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



59.9611, 0.3801, 0.4424



59.9611, 0.3195, 0.4392



59.9611, 0.2602, 0.3944

# Triad

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



59.9611, 0.3195, 0.4392



59.9611, 0.2082, 0.2386



59.9611, 0.4161, 0.3173

# Complementary

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



59.9611, 0.3195, 0.4392



35.6275, 0.3002, 0.2313

# 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.



59.9611, 0.3606, 0.2740



59.9611, 0.3195, 0.4392



59.9611, 0.2410, 0.2300

# Square

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



59.9611, 0.3195, 0.4392



59.9611, 0.2001, 0.2717



59.9611, 0.2953, 0.2430



59.9611, 0.4400, 0.3659



# Rectangle

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



59.9611, 0.3195, 0.4392



59.9611, 0.2293, 0.3507



59.9611, 0.2953, 0.2430



59.9611, 0.4002, 0.3019

# Sweetspot

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



59.9637, 0.3195, 0.4392



94.3892, 0.3152, 0.3574



59.2787, 0.3762, 0.4042



20.0658, 0.3154, 0.3612



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

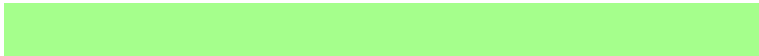


# Same Dimension

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



59.9637, 0.3195, 0.4392



81.4262, 0.3200, 0.4649



59.0690, 0.2937, 0.4101



14.7412, 0.3148, 0.3529



30.4431, 0.3081, 0.5936



2.0102, 0.3192, 0.5848



# Inverse Universe

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



35.6275, 0.3002, 0.2313



42.9044, 0.2967, 0.2116



37.1191, 0.3397, 0.2601



13.1254, 0.3104, 0.3057



8.2598, 0.2670, 0.1244

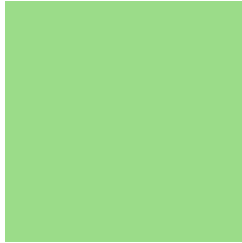


0.5711, 0.2762, 0.1295



# Previews

## White Background



This preview shows how the Yxy color 59.9611, 0.3195, 0.4392 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

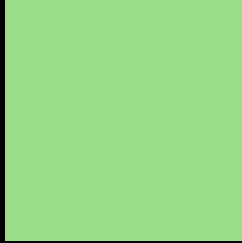
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9611, 0.3195, 0.4392 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

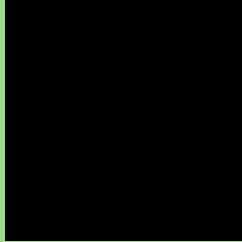
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9611, 0.3195, 0.4392**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9611, 0.3195, 0.4392.



This preview shows how white text looks on a background with the Yxy color 59.9611, 0.3195, 0.4392.

# 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

59.9611, 0.3195, 0.4392

### Protanopia

59.5392, 0.3808, 0.4130

### Deuteranopia

59.2675, 0.3929, 0.3848



## Tritanopia

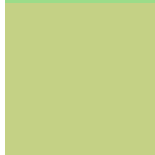
59.6380, 0.2746, 0.3084

# Trichromacy



## Original Color

59.9611, 0.3195, 0.4392



## Protanomaly

59.0301, 0.3562, 0.4223



## Deuteranomaly

58.3366, 0.3643, 0.4030



## Tritanomaly

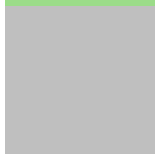
59.4829, 0.2911, 0.3531

# Monochromacy



## Original Color

59.9611, 0.3195, 0.4392



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.6463, 0.3162, 0.3690

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9611, 0.3195, 0.4392 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(155, 220, 137)` looks like.

```
.text, #text, p{  
    color:rgb(155, 220, 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(155, 220, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 220, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9611, 0.3195, 0.4392 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(155, 220, 137) }
```

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

```
.border{ border-color:rgb(155, 220, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 220, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 220, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 220, 137);  
box-shadow:4px 4px 4px 4px rgb(155, 220,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9611, 0.3195, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 220, 137) }
```

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

```
.background{ background-color: rgb(155,  
220, 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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