

# Converting Colors

Yxy(57.3548, 0.3210, 0.4500)

Have a look what the booklet for  
Yxy(57.3548, 0.3210, 0.4500)  
contains.

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# Color

**Yxy(57.5738, 0.3210, 0.4496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95D980
RGB	149, 217, 128
RGB Percent	58%, 85%, 50%
CMY	0.4157, 0.1490, 0.4979
CMYK	0.31, 0.00, 0.41, 0.15
HSL	106°, 54%, 68%
HSV	106°, 41%, 85%
XYZ	41.1058, 57.5738, 29.3760
YIQ	186.5220, -11.9590, -42.0950

# Conversions

## Conversions Part 2

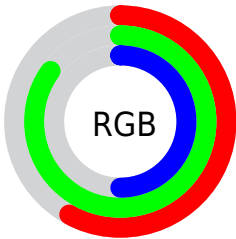
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">128, 217, 196</a>
Decimal	<a href="#">9820544</a>
CIELab	<a href="#">80.50, -37.84, 37.15</a>
CIELCh	<a href="#">81, 53.025, 135.527</a>
Yxy	<a href="#">57.5738, 0.3210, 0.4496</a>
Android (android.graphics.Color)	<a href="#">4288010624 (0xFF95D980)</a>
YUV	<a href="#">186.5220, -28.8513, -32.9068</a>
Hunter-Lab	<a href="#">75.8774, -36.0848, 30.1600</a>

# Details

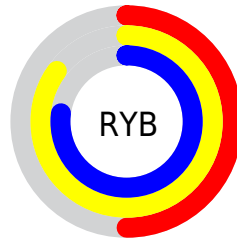
The Yxy color **57.5738, 0.3210, 0.4496** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.1926, 0.2971, 0.2223**, and the grayscale version is **49.5845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8765, 0.3230, 0.4091**, and **28.8094, 0.3197, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **55.6141, 0.3215, 0.4830**, and if you desaturate by 10%, it is **59.8827, 0.3197, 0.4167**.

# Distribution



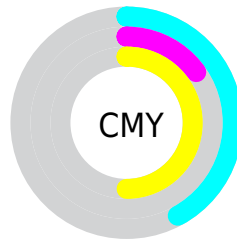
- Red (58%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)




- Cyan (42%)
- Magenta (15%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5738, 0.3210, 0.4496 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 57.5738, 0.3210, 0.4496 by changing the saturation by 10% instead.





 57.5738, 0.3210,  
0.4496

 57.5738, 0.3210,  
0.4496


415.5959, 0.3193,  
0.3882

 41.4661, 0.3206,  
0.4650


 101.3020, 0.3210,  
0.4272

 28.6835, 0.3196,  
0.4847


 129.6912, 0.3208,  
0.4188

 18.8415, 0.3175,  
0.5107


 162.9431, 0.3206,  
0.4117

 11.5558, 0.3129,  
0.5463

201.4420, 0.3203,  
0.4056

 6.4420, 0.3028,  
0.5968

245.5724, 0.3201,  
0.4004

 3.1157, 0.2940,  
0.7060

295.7185, 0.3198,

 1.1924, 0.1320,

0.3958

0.8680

352.2649, 0.3195,  
0.3918

■ 0.0555, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5738, 0.3210,  
0.4496

■ 57.5738, 0.3210,  
0.4496

■ 55.6141, 0.3215,  
0.4830

■ 59.8827, 0.3197,  
0.4167

■ 53.9790, 0.3209,  
0.5153

■ 62.5495, 0.3178,  
0.3857

■ 52.6522, 0.3192,  
0.5441


■ 65.5913, 0.3155,  
0.3571

■ 51.6128, 0.3162,  
0.5676


■ 69.0224, 0.3130,  
0.3314

 50.8372, 0.3124,  
0.5840

 72.8560, 0.3104,  
0.3086

 50.3352, 0.3086,  
0.5932

 76.8953, 0.3099,  
0.2915

 78.1067, 0.3145,  
0.2920

# Harmonies

## Analogous

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



57.5738, 0.3860, 0.4507



57.5738, 0.3210, 0.4496



57.5738, 0.2572, 0.4018

# Triad

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



57.5738, 0.3210, 0.4496



57.5738, 0.2005, 0.2324



57.5738, 0.4233, 0.3146

# Complementary

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



57.5738, 0.3210, 0.4496



32.1926, 0.2971, 0.2223

# 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.



57.5738, 0.3625, 0.2690



57.5738, 0.3210, 0.4496



57.5738, 0.2345, 0.2231

# Square

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



57.5738, 0.3210, 0.4496



57.5738, 0.1924, 0.2680



57.5738, 0.2920, 0.2366



57.5738, 0.4499, 0.3662

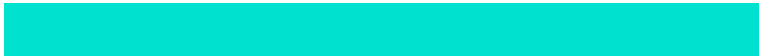


# Rectangle

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



57.5738, 0.3210, 0.4496



57.5738, 0.2240, 0.3540



57.5738, 0.2920, 0.2366



57.5738, 0.4058, 0.2984

# Sweetspot

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



57.5763, 0.3210, 0.4496



94.0153, 0.3157, 0.3601



55.2328, 0.3834, 0.4074



19.9944, 0.3161, 0.3638



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

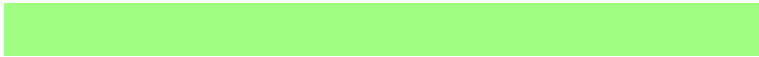


# Same Dimension

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



57.5763, 0.3210, 0.4496



80.5571, 0.3215, 0.4779



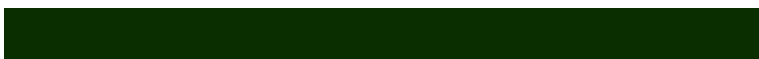
56.4285, 0.2941, 0.4228



14.7537, 0.3151, 0.3529



30.5100, 0.3094, 0.5925



2.0161, 0.3209, 0.5834



# Inverse Universe

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



32.1926, 0.2971, 0.2223



39.2917, 0.2925, 0.2008



34.1259, 0.3396, 0.2511



13.1121, 0.3100, 0.3057



7.9790, 0.2621, 0.1218



0.5551, 0.2722, 0.1273



# Previews

## White Background



This preview shows how the Yxy color 57.5738, 0.3210, 0.4496 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 57.5738, 0.3210, 0.4496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

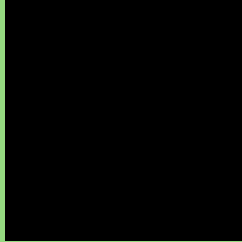
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5738, 0.3210, 0.4496**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5738, 0.3210, 0.4496.



This preview shows how white text looks on a background with the Yxy color 57.5738, 0.3210, 0.4496.

# 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

57.5738, 0.3210, 0.4496

### Protanopia

56.9790, 0.3866, 0.4196

### Deuteranopia

56.7253, 0.3994, 0.3908



## Tritanopia

57.4159, 0.2734, 0.3092

# Trichromacy



## Original Color

57.5738, 0.3210, 0.4496



## Protanomaly

56.8043, 0.3600, 0.4310



## Deuteranomaly

56.0963, 0.3686, 0.4113



## Tritanomaly

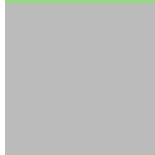
57.0950, 0.2907, 0.3576

# Monochromacy



## Original Color

57.5738, 0.3210, 0.4496



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

52.0256, 0.3162, 0.3713

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5738, 0.3210, 0.4496 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(149, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(149, 217, 128)  
}
```

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(149, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 217, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5738, 0.3210, 0.4496 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(149, 217, 128) }
```

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

```
.border{ border-color:rgb(149, 217, 128) }
```

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

Here you see how a box with a 4 pixel rgb(149, 217, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(149, 217,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5738, 0.3210, 0.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 217, 128) }
```

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

```
.background{ background-color: rgb(149,  
217, 128) }
```

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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