

# Converting Colors

$Yxy(55.7002, 0.3168, 0.4347)$

Have a look what the booklet for  
Yxy(55.7002, 0.3168, 0.4347)  
contains.

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# Color

**$\text{Yxy}(55.7556, 0.3167, 0.4346)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	95D588
RGB	149, 213, 136
RGB Percent	58%, 84%, 53%
CMY	0.4157, 0.1647, 0.4667
CMYK	0.30, 0.00, 0.36, 0.16
HSL	110°, 48%, 68%
HSV	110°, 36%, 84%
XYZ	40.6300, 55.7556, 31.9062
YIQ	185.0860, -13.4270, -37.5150

# Conversions

## Conversions Part 2

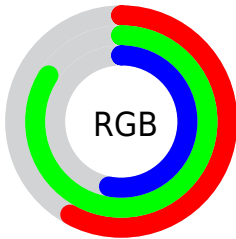
Format	Color
<a href="#">RYB</a>	<a href="#">136, 213, 200</a>
Decimal	<a href="#">9819528</a>
CIELab	<a href="#">79.47, -34.88, 31.77</a>
CIELCh	<a href="#">79, 47.177, 137.669</a>
Yxy	<a href="#">55.7556, 0.3167, 0.4346</a>
Android (android.graphics.Color)	<a href="#">4288009608</a> ( <a href="#">0xFF95D588</a> )
YUV	<a href="#">185.0860, -24.1994, -31.6474</a>
Hunter-Lab	<a href="#">74.6697, -33.5447, 26.9343</a>

# Details

The Yxy color **55.7556, 0.3167, 0.4346** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.6879, 0.3044, 0.2366**, and the grayscale version is **48.7080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2168, 0.3185, 0.4001**, and **27.5964, 0.3156, 0.4660** is the 20% darker color. If you saturate the color by 10%, you get **53.6709, 0.3168, 0.4687**, and if you desaturate by 10%, it is **58.2185, 0.3160, 0.4019**.

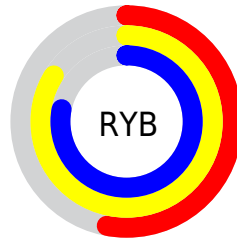
# Distribution



Red (58%)

Green (84%)

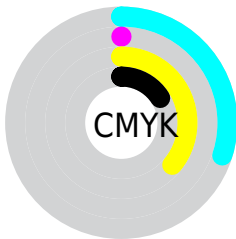
Blue (53%)



Red (53%)

Yellow (84%)

Blue (78%)

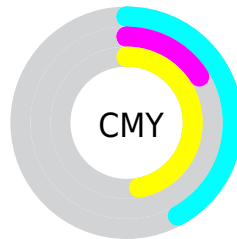


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (16%)



Cyan (42%)

Magenta (16%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7556, 0.3167, 0.4346 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 55.7556, 0.3167, 0.4346 by changing the saturation by 10% instead.




 55.7556, 0.3167,  
0.4346


 55.7556, 0.3167,  
0.4346


408.7698, 0.3165,  
0.3807


 40.0070, 0.3162,  
0.4483


 98.6471, 0.3171,  
0.4148

 27.5440, 0.3151,  
0.4659


 126.5589, 0.3171,  
0.4074

 17.9822, 0.3131,  
0.4893


 159.2938, 0.3170,  
0.4012

 10.9372, 0.3090,  
0.5218

197.2363, 0.3169,  
0.3959

 6.0246, 0.3005,  
0.5691

240.7707, 0.3168,  
0.3913

 2.8601, 0.2951,  
0.6751

290.2815, 0.3167,


 1.0591, 0.1208,


0.3873


0.8792


346.1531, 0.3166,  
0.3838


 0.0000, 0.0000,  
0.0000

 55.7556, 0.3167,  
0.4346


 55.7556, 0.3167,  
0.4346


 53.6709, 0.3168,  
0.4687


 58.2185, 0.3160,  
0.4019


 51.9388, 0.3161,  
0.5025

 61.0697, 0.3150,  
0.3717


 50.5414, 0.3146,  
0.5340

 64.3279, 0.3136,  
0.3443

 49.4564, 0.3123,  
0.5607

 68.0081, 0.3121,  
0.3200

 48.6587, 0.3093,  
0.5807

 72.1249, 0.3106,  
0.2987

■ 48.1188, 0.3059,  
0.5929

■ 76.0723, 0.3146,  
0.2881

■ 47.9668, 0.3048,  
0.5962

# Harmonies

## Analogous

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



55.7556, 0.3760, 0.4400



55.7556, 0.3167, 0.4346



55.7556, 0.2593, 0.3896

# Triad

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



55.7556, 0.3167, 0.4346



55.7556, 0.2118, 0.2401



55.7556, 0.4150, 0.3199

# Complementary

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



55.7556, 0.3167, 0.4346



34.6879, 0.3044, 0.2366

# 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.



55.7556, 0.3622, 0.2772



55.7556, 0.3167, 0.4346



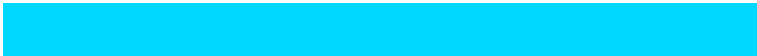
55.7556, 0.2449, 0.2326

# Square

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



55.7556, 0.3167, 0.4346



55.7556, 0.2027, 0.2714



55.7556, 0.2987, 0.2462



55.7556, 0.4366, 0.3675

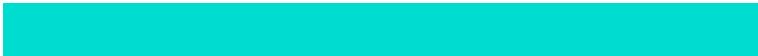


# Rectangle

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



55.7556, 0.3167, 0.4346



55.7556, 0.2298, 0.3472



55.7556, 0.2987, 0.2462



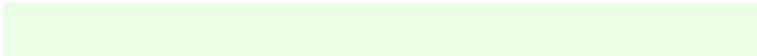
55.7556, 0.4000, 0.3048

# Sweetspot

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



55.7580, 0.3167, 0.4346



94.1666, 0.3143, 0.3575



56.7190, 0.3722, 0.4037



20.0132, 0.3145, 0.3613



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

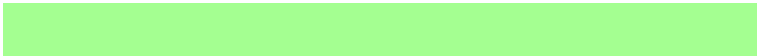


# Same Dimension

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



55.7580, 0.3167, 0.4346



81.4533, 0.3168, 0.4593



55.3764, 0.2929, 0.4022



13.9957, 0.3141, 0.3529



29.3282, 0.3054, 0.5957



1.8005, 0.3159, 0.5874



# Inverse Universe

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



34.6879, 0.3044, 0.2366



45.4940, 0.3020, 0.2181



35.4085, 0.3408, 0.2659



12.5217, 0.3111, 0.3058



8.6855, 0.2788, 0.1309



0.5526, 0.2865, 0.1352



# Previews

## White Background



This preview shows how the Yxy color 55.7556, 0.3167, 0.4346 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 55.7556, 0.3167, 0.4346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

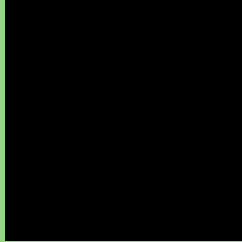
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.7556, 0.3167, 0.4346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.7556, 0.3167, 0.4346.

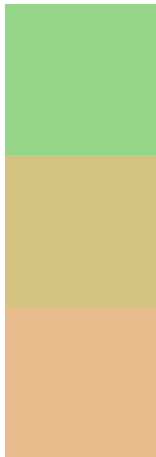


This preview shows how white text looks on a background with the Yxy color 55.7556, 0.3167, 0.4346.

# 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

55.7556, 0.3167, 0.4346

### Protanopia

55.2110, 0.3786, 0.4087

### Deuteranopia

55.2431, 0.3895, 0.3810



## Tritanopia

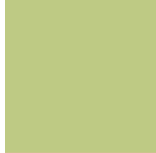
55.6129, 0.2736, 0.3089

# Trichromacy



## Original Color

55.7556, 0.3167, 0.4346



## Protanomaly

54.8542, 0.3542, 0.4176



## Deuteranomaly

54.3825, 0.3603, 0.3994



## Tritanomaly

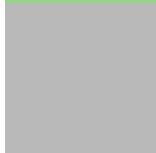
55.5689, 0.2893, 0.3525

# Monochromacy



## Original Color

55.7556, 0.3167, 0.4346



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.5909, 0.3150, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7556, 0.3167, 0.4346 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, 213, 136)` looks like.

```
.text, #text, p{  
    color:rgb(149, 213, 136)  
}
```

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, 213, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 213, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7556, 0.3167, 0.4346 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, 213, 136) }
```

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

```
.border{ border-color:rgb(149, 213, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 213, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 213, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 213, 136);  
box-shadow:4px 4px 4px 4px rgb(149, 213,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7556, 0.3167, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 213, 136) }
```

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

```
.background{ background-color: rgb(149,  
213, 136) }
```

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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