

# Converting Colors

$Yxy(56.2738, 0.3424, 0.4364)$

Have a look what the booklet for  
Yxy(56.2738, 0.3424, 0.4364)  
contains.

<b>Yxy(56.1319, 0.3423, 0.4358)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(56.1319, 0.3423, 0.4358)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AED17F
RGB	174, 209, 127
RGB Percent	68%, 82%, 50%
CMY	0.3176, 0.1804, 0.5020
CMYK	0.17, 0.00, 0.39, 0.18
HSL	86°, 47%, 66%
HSV	86°, 39%, 82%
XYZ	44.0889, 56.1319, 28.5812
YIQ	189.1870, 5.4620, -32.9220

# Conversions

## Conversions Part 2

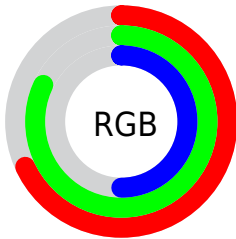
Format	Color
<b>RYB</b>	127, 209, 162
Decimal	11456895
CIELab	79.69, -25.40, 36.92
CIELCh	80, 44.818, 124.526
Yxy	56.1319, 0.3423, 0.4358
Android (android.graphics.Color)	4289646975 (0xFFAED17F)
YUV	189.1870, -30.6582, -13.3190
Hunter-Lab	74.9212, -26.0702, 29.8267

# Details

The Yxy color **56.1319, 0.3423, 0.4358** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.4536, 0.2713, 0.2192**, and the grayscale version is **51.1801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8451, 0.3405, 0.4059**, and **27.6261, 0.3474, 0.4657** is the 20% darker color. If you saturate the color by 10%, you get **54.6547, 0.3480, 0.4646**, and if you desaturate by 10%, it is **57.7950, 0.3354, 0.4069**.

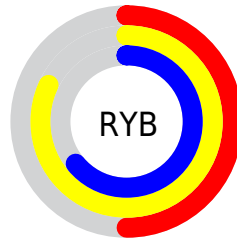
# Distribution



Red (68%)

Green (82%)

Blue (50%)



Red (50%)

Yellow (82%)

Blue (64%)

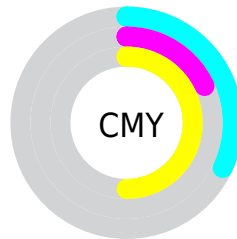


Cyan (17%)

Magenta (0%)

Yellow (39%)

Black (18%)



Cyan (32%)

Magenta (18%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1319, 0.3423, 0.4358 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 56.1319, 0.3423, 0.4358 by changing the saturation by 10% instead.




 56.1319, 0.3423,  
0.4358

 56.1319, 0.3423,  
0.4358


410.1884, 0.3297,  
0.3822


 40.3087, 0.3446,  
0.4490

 99.1974, 0.3383,  
0.4164

 27.7793, 0.3472,  
0.4658


 127.2085, 0.3366,  
0.4091

 18.1594, 0.3497,  
0.4877


 160.0510, 0.3351,  
0.4029

 11.0645, 0.3515,  
0.5172

198.1093, 0.3338,  
0.3975

 6.1102, 0.3506,  
0.5582

241.7678, 0.3326,  
0.3929

 2.9122, 0.3561,  
0.6439

291.4108, 0.3316,

 1.0861, 0.2689,

0.3889

0.7311

347.4229, 0.3306,  
0.3853

0.0000, 0.0000,  
0.0000

56.1319, 0.3423,  
0.4358

56.1319, 0.3423,  
0.4358

54.6547, 0.3480,  
0.4646

57.7950, 0.3354,  
0.4069

53.3476, 0.3522,  
0.4919

59.6444, 0.3279,  
0.3787

52.2040, 0.3543,  
0.5164


61.6896, 0.3200,  
0.3520

51.2135, 0.3541,  
0.5367


63.9374, 0.3121,  
0.3272

50.3642, 0.3515,  
0.5519


66.3943, 0.3044,  
0.3045

 49.6369, 0.3470,  
0.5623

 69.0663, 0.2971,  
0.2839

 49.5852, 0.3466,  
0.5630

 70.7254, 0.3016,  
0.2822

 72.2929, 0.3079,  
0.2831

 73.9378, 0.3143,  
0.2840

# Harmonies

## Analogous

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



56.1319, 0.3944, 0.4258



56.1319, 0.3423, 0.4358



56.1319, 0.2849, 0.4086

# Triad

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



56.1319, 0.3423, 0.4358



56.1319, 0.2097, 0.2547



56.1319, 0.3904, 0.3017

# Complementary

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



56.1319, 0.3423, 0.4358



27.4536, 0.2713, 0.2192

# Split Complementary

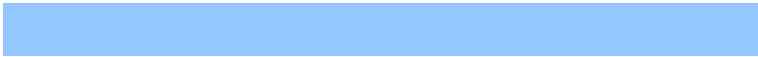
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.1319, 0.3334, 0.2649



56.1319, 0.3423, 0.4358



56.1319, 0.2316, 0.2375

# Square

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



56.1319, 0.3423, 0.4358



56.1319, 0.2116, 0.2949



56.1319, 0.2751, 0.2420



56.1319, 0.4256, 0.3462



# Rectangle

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



56.1319, 0.3423, 0.4358



56.1319, 0.2515, 0.3731



56.1319, 0.2751, 0.2420



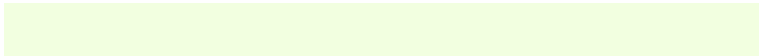
56.1319, 0.3728, 0.2883

# Sweetspot

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



56.1344, 0.3423, 0.4358



95.7920, 0.3223, 0.3595



40.6310, 0.3929, 0.3721



20.4114, 0.3233, 0.3630



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

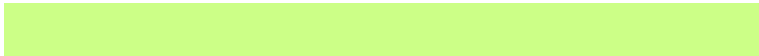


# Same Dimension

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



56.1344, 0.3423, 0.4358



86.0950, 0.3472, 0.4597



52.1863, 0.3118, 0.4466



13.5361, 0.3201, 0.3524



30.6315, 0.3476, 0.5622



1.7590, 0.3605, 0.5520



# Inverse Universe

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



27.4536, 0.2713, 0.2192



35.0618, 0.2599, 0.1937



32.3563, 0.3104, 0.2309



11.6606, 0.3048, 0.3054



4.2074, 0.1895, 0.0818



0.2816, 0.2105, 0.0933



# Previews

## White Background



This preview shows how the Yxy color 56.1319, 0.3423, 0.4358 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 56.1319, 0.3423, 0.4358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

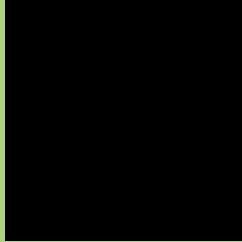
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.1319, 0.3423, 0.4358**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1319, 0.3423, 0.4358.



This preview shows how white text looks on a background with the Yxy color 56.1319, 0.3423, 0.4358.

# 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

56.1319, 0.3423, 0.4358

### Protanopia

55.7847, 0.3851, 0.4171

### Deuteranopia

55.4652, 0.4003, 0.3913



## Tritanopia

56.1410, 0.2924, 0.3108

# Trichromacy



**Original Color**

56.1319, 0.3423, 0.4358

**Protanomaly**

55.5079, 0.3688, 0.4234

**Deuteranomaly**

55.2377, 0.3778, 0.4076

**Tritanomaly**

56.0344, 0.3115, 0.3555

# Monochromacy



**Original Color**

56.1319, 0.3423, 0.4358

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

52.4234, 0.3254, 0.3677

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.1319, 0.3423, 0.4358 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(174, 209, 127)` looks like.

```
.text, #text, p{  
    color:rgb(174, 209, 127)  
}
```

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(174, 209, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 209, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1319, 0.3423, 0.4358 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(174, 209, 127) }
```

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

```
.border{ border-color:rgb(174, 209, 127) }
```

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

Here you see how a box with a 4 pixel rgb(174, 209, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 209, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 209, 127);  
box-shadow:4px 4px 4px 4px rgb(174, 209,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1319, 0.3423, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 209, 127) }
```

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

```
.background{ background-color: rgb(174,  
209, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor