

# Converting Colors

Yxy(57.2434, 0.3494, 0.4643)

Have a look what the booklet for  
Yxy(57.2434, 0.3494, 0.4643)  
contains.

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**Color**

**Yxy(57.2173, 0.3495, 0.4642)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAD56C
RGB	170, 213, 108
RGB Percent	67%, 84%, 42%
CMY	0.3333, 0.1647, 0.5764
CMYK	0.20, 0.00, 0.49, 0.16
HSL	85°, 56%, 63%
HSV	85°, 49%, 84%
XYZ	43.0794, 57.2173, 22.9633
YIQ	188.1730, 8.0770, -41.7710

# Conversions

## Conversions Part 2

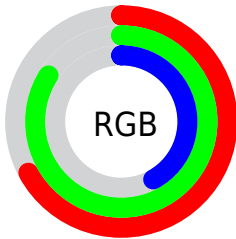
Format	Color
<a href="#">RYB</a>	<a href="#">108, 213, 151</a>
Decimal	<a href="#">11195756</a>
CIELab	<a href="#">80.30, -31.02, 46.99</a>
CIElCh	<a href="#">80, 56.305, 123.431</a>
Yxy	<a href="#">57.2173, 0.3495, 0.4642</a>
Android (android.graphics.Color)	<a href="#">4289385836 (0xFFAAD56C)</a>
YUV	<a href="#">188.1730, -39.5253, -15.9377</a>
Hunter-Lab	<a href="#">75.6421, -30.7151, 34.9503</a>

# Details

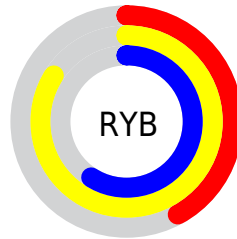
The Yxy color **57.2173, 0.3495, 0.4642** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.1125, 0.2557, 0.1876**, and the grayscale version is **50.6205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4595, 0.3486, 0.4264**, and **28.3841, 0.3538, 0.5018** is the 20% darker color. If you saturate the color by 10%, you get **55.8800, 0.3539, 0.4912**, and if you desaturate by 10%, it is **58.7350, 0.3435, 0.4357**.

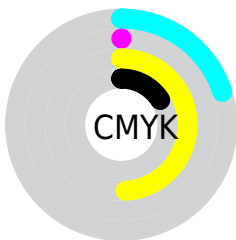
# Distribution



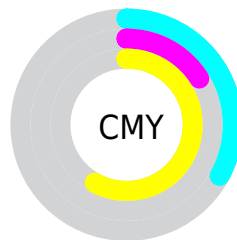
- Red (67%)
- Green (84%)
- Blue (42%)



- Red (42%)
- Yellow (84%)
- Blue (59%)



- Cyan (20%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)




- Cyan (33%)
- Magenta (16%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2173, 0.3495, 0.4642 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 57.2173, 0.3495, 0.4642 by changing the saturation by 10% instead.




 57.2173, 0.3495,  
0.4642

 57.2173, 0.3495,  
0.4642


414.2631, 0.3349,  
0.3965

 41.1797, 0.3518,  
0.4806


 100.7822, 0.3452,  
0.4399


 28.4595, 0.3539,  
0.5012


 129.0783, 0.3432,  
0.4306

 18.6724, 0.3552,  
0.5275


 162.2294, 0.3415,  
0.4228

 11.4338, 0.3542,  
0.5618

 200.6198, 0.3399,  
0.4160

 6.3594, 0.3512,  
0.6134

244.6340, 0.3385,  
0.4102

 3.0648, 0.3288,  
0.6712

294.6563, 0.3371,

 1.1657, 0.2189,

0.4051

0.7811

351.0712, 0.3360,  
0.4005

■ 0.0334, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2173, 0.3495,  
0.4642

■ 57.2173, 0.3495,  
0.4642

■ 55.8800, 0.3539,  
0.4912

■ 58.7350, 0.3435,  
0.4357

■ 54.7060, 0.3562,  
0.5154

■ 60.4340, 0.3363,  
0.4069


■ 53.6873, 0.3562,  
0.5353


■ 62.3249, 0.3285,  
0.3788

■ 52.8114, 0.3538,  
0.5503


■ 64.4150, 0.3203,  
0.3521


 52.0586, 0.3494,  
0.5604


 66.7113, 0.3121,  
0.3273

 52.0083, 0.3491,  
0.5610

 69.2202, 0.3042,  
0.3045

 71.8112, 0.2979,  
0.2859

 73.2998, 0.3039,  
0.2867

 74.8619, 0.3101,  
0.2875

# Harmonies

## Analogous

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



57.2173, 0.4136, 0.4459



57.2173, 0.3495, 0.4642



57.2173, 0.2792, 0.4330

# Triad

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



57.2173, 0.3495, 0.4642



57.2173, 0.1876, 0.2382



57.2173, 0.4074, 0.2928

# Complementary

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



57.2173, 0.3495, 0.4642



22.1125, 0.2557, 0.1876

# 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.



57.2173, 0.3347, 0.2498



57.2173, 0.3495, 0.4642



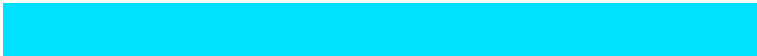
57.2173, 0.2124, 0.2181

# Square

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



57.2173, 0.3495, 0.4642



57.2173, 0.1903, 0.2871



57.2173, 0.2634, 0.2232



57.2173, 0.4527, 0.3452



# Rectangle

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



57.2173, 0.3495, 0.4642



57.2173, 0.2384, 0.3872



57.2173, 0.2634, 0.2232



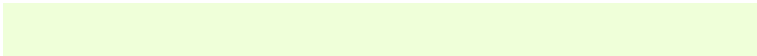
57.2173, 0.3848, 0.2771

# Sweetspot

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



57.2198, 0.3495, 0.4642



94.9257, 0.3251, 0.3676



37.0452, 0.4221, 0.3808



20.1775, 0.3268, 0.3733



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.



57.2198, 0.3495, 0.4642



83.9182, 0.3540, 0.4920



52.5609, 0.3119, 0.4816



14.2546, 0.3204, 0.3525



31.8287, 0.3501, 0.5603



1.9676, 0.3618, 0.5509



# Inverse Universe

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



22.1125, 0.2557, 0.1876



25.3571, 0.2402, 0.1569



28.1590, 0.3074, 0.2067



12.2545, 0.3045, 0.3053



4.2357, 0.1866, 0.0802



0.3032, 0.2063, 0.0910



# Previews

## White Background



This preview shows how the Yxy color 57.2173, 0.3495, 0.4642 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 57.2173, 0.3495, 0.4642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

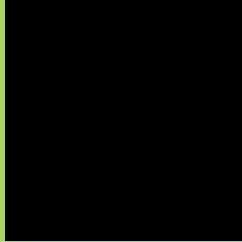
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.2173, 0.3495, 0.4642**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2173, 0.3495, 0.4642.



This preview shows how white text looks on a background with the Yxy color 57.2173, 0.3495, 0.4642.

# 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

57.2173, 0.3495, 0.4642

### Protanopia

56.8862, 0.4005, 0.4375

### Deuteranopia

56.4873, 0.4189, 0.4090



## Tritanopia

57.0973, 0.2897, 0.3097

# Trichromacy



## Original Color

57.2173, 0.3495, 0.4642

## Protanomaly

56.6232, 0.3809, 0.4472

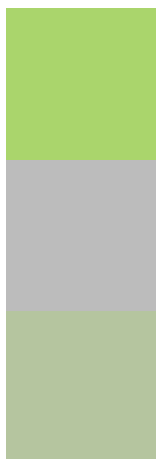
## Deuteranomaly

56.1569, 0.3925, 0.4285

## Tritanomaly

56.5403, 0.3133, 0.3646

# Monochromacy



## Original Color

57.2173, 0.3495, 0.4642

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

52.2595, 0.3280, 0.3786

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2173, 0.3495, 0.4642 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(170, 213, 108)` looks like.

```
.text, #text, p{  
    color:rgb(170, 213, 108)  
}
```

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(170, 213, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 213, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2173, 0.3495, 0.4642 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(170, 213, 108) }
```

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

```
.border{ border-color:rgb(170, 213, 108) }
```

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

Here you see how a box with a 4 pixel rgb(170, 213, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 213, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 213, 108);  
box-shadow:4px 4px 4px 4px rgb(170, 213,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2173, 0.3495, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 213, 108) }
```

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

```
.background{ background-color: rgb(170,  
213, 108) }
```

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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