

# Converting Colors

Yxy(58.6573, 0.3507, 0.4715)

Have a look what the booklet for  
Yxy(58.6573, 0.3507, 0.4715)  
contains.

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# Color

**Yxy(58.6573, 0.3507, 0.4715)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAD868
RGB	170, 216, 104
RGB Percent	67%, 85%, 41%
CMY	0.3334, 0.1529, 0.5921
CMYK	0.21, 0.00, 0.52, 0.15
HSL	85°, 59%, 63%
HSV	85°, 52%, 85%
XYZ	43.6291, 58.6573, 22.1193
YIQ	189.4780, 8.5360, -44.5840

# Conversions

## Conversions Part 2

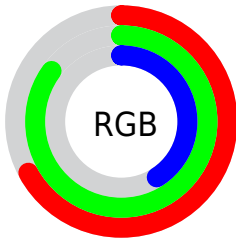
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 216, 150
Decimal	11196520
CIELab	81.10, -32.85, 49.85
CIELCh	81, 59.697, 123.383
Yxy	58.6573, 0.3507, 0.4715
Android (android.graphics.Color)	4289386600 (0xFFAAD868)
YUV	189.4780, -42.1407, -17.0822
Hunter-Lab	76.5881, -32.3449, 36.4881

# Details

The Yxy color **58.6573, 0.3507, 0.4715** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.3468, 0.2520, 0.1797**, and the grayscale version is **51.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3195, 0.3508, 0.4304**, and **29.3825, 0.3544, 0.5096** is the 20% darker color. If you saturate the color by 10%, you get **57.3196, 0.3546, 0.4980**, and if you desaturate by 10%, it is **60.1793, 0.3451, 0.4432**.

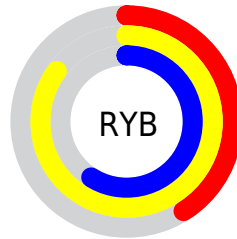
# Distribution



Red (67%)

Green (85%)

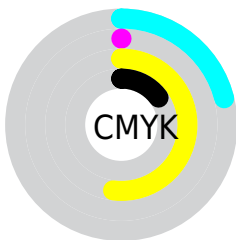
Blue (41%)



Red (41%)

Yellow (85%)

Blue (59%)

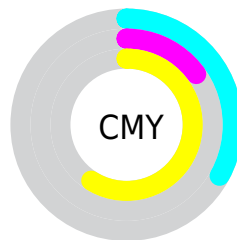


Cyan (21%)

Magenta (0%)

Yellow (52%)

Black (15%)



Cyan (33%)

Magenta (15%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6573, 0.3507, 0.4715 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 58.6573, 0.3507, 0.4715 by changing the saturation by 10% instead.





 58.6573, 0.3507,  
0.4715

 58.6573, 0.3507,  
0.4715


419.6307, 0.3360,  
0.4005


 42.3373, 0.3528,  
0.4886


 102.8794, 0.3465,  
0.4461


 29.3655, 0.3546,  
0.5098


 131.5503, 0.3445,  
0.4364

 19.3575, 0.3554,  
0.5368


 165.1070, 0.3428,  
0.4281

 11.9289, 0.3535,  
0.5716

 203.9339, 0.3412,  
0.4210

 6.6953, 0.3500,  
0.6253

248.4153, 0.3397,  
0.4149

 3.2723, 0.3229,  
0.6771

298.9356, 0.3383,

 1.2755, 0.2232,

0.4095

0.7768

355.8793, 0.3371,  
0.4047

■ 0.1221, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6573, 0.3507,  
0.4715

■ 58.6573, 0.3507,  
0.4715

■ 57.3196, 0.3546,  
0.4980

■ 60.1793, 0.3451,  
0.4432

■ 56.1486, 0.3563,  
0.5212

■ 61.8871, 0.3382,  
0.4143

■ 55.1352, 0.3556,  
0.5399

■ 63.7916, 0.3305,  
0.3859


■ 54.2661, 0.3526,  
0.5535

■ 65.9006, 0.3224,  
0.3588


 53.6470, 0.3488,  
0.5612

 68.2214, 0.3142,  
0.3335

 70.7609, 0.3062,  
0.3102

 73.5121, 0.2986,  
0.2892

 75.0364, 0.3047,  
0.2899

 76.6368, 0.3109,  
0.2906

# Harmonies

## Analogous

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



58.6573, 0.4179, 0.4509



58.6573, 0.3507, 0.4715



58.6573, 0.2772, 0.4391

# Triad

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



58.6573, 0.3507, 0.4715



58.6573, 0.1823, 0.2338



58.6573, 0.4121, 0.2908

# Complementary

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



58.6573, 0.3507, 0.4715



21.3468, 0.2520, 0.1797

# 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.



58.6573, 0.3355, 0.2463



58.6573, 0.3507, 0.4715



58.6573, 0.2079, 0.2133

# Square

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



58.6573, 0.3507, 0.4715



58.6573, 0.1849, 0.2846



58.6573, 0.2608, 0.2187



58.6573, 0.4597, 0.3451



# Rectangle

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



58.6573, 0.3507, 0.4715



58.6573, 0.2347, 0.3905



58.6573, 0.2608, 0.2187



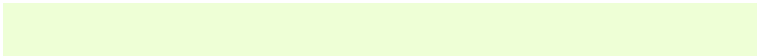
58.6573, 0.3882, 0.2745

# Sweetspot

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



58.6599, 0.3507, 0.4715



94.6028, 0.3259, 0.3703



37.0334, 0.4299, 0.3833



20.1128, 0.3276, 0.3759



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.



58.6599, 0.3507, 0.4715



83.3321, 0.3548, 0.4998



53.7747, 0.3116, 0.4906



14.2538, 0.3204, 0.3525



31.8151, 0.3499, 0.5604



1.9669, 0.3617, 0.5510



# Inverse Universe

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



21.3468, 0.2520, 0.1797



23.4188, 0.2357, 0.1484



27.8116, 0.3069, 0.2010



12.2554, 0.3045, 0.3054



4.2445, 0.1868, 0.0803



0.3038, 0.2065, 0.0911



# Previews

## White Background



This preview shows how the Yxy color 58.6573, 0.3507, 0.4715 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 58.6573, 0.3507, 0.4715 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 58.6573, 0.3507, 0.4715**

## Background



This preview shows how black text looks on a background with the Yxy color 58.6573, 0.3507, 0.4715.



This preview shows how white text looks on a background with the Yxy color 58.6573, 0.3507, 0.4715.

# 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

58.6573, 0.3507, 0.4715

### Protanopia

58.2037, 0.4044, 0.4419

### Deuteranopia

57.7999, 0.4231, 0.4138



## Tritanopia

58.1935, 0.2879, 0.3086

# Trichromacy



**Original Color**

58.6573, 0.3507, 0.4715

**Protanomaly**

57.7787, 0.3841, 0.4524

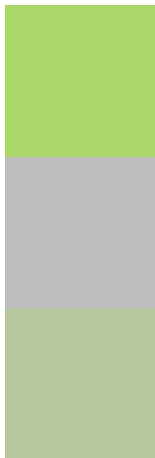
**Deuteranomaly**

57.2967, 0.3958, 0.4339

**Tritanomaly**

58.0294, 0.3124, 0.3669

# Monochromacy



**Original Color**

58.6573, 0.3507, 0.4715

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

53.2606, 0.3293, 0.3822

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6573, 0.3507, 0.4715 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, 216, 104)` looks like.

```
.text, #text, p{  
    color:rgb(170, 216, 104)  
}
```

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, 216, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 216, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6573, 0.3507, 0.4715 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, 216, 104) }
```

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

```
.border{ border-color:rgb(170, 216, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 216, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 216, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 216, 104);  
box-shadow:4px 4px 4px 4px rgb(170, 216,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6573, 0.3507, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 216, 104) }
```

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

```
.background{ background-color: rgb(170,  
216, 104) }
```

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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