

Converting Colors

$Yxy(57.8751, 0.3455, 0.4620)$

Have a look what the booklet for
Yxy(57.8751, 0.3455, 0.4620)
contains.

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Color

Yxy(58.0956, 0.3450, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	A8D770
RGB	168, 215, 112
RGB Percent	66%, 84%, 44%
CMY	0.3412, 0.1568, 0.5608
CMYK	0.22, 0.00, 0.48, 0.16
HSL	87°, 56%, 64%
HSV	87°, 48%, 84%
XYZ	43.3737, 58.0956, 24.2515
YIQ	189.2050, 5.0510, -41.9970

Conversions

Conversions Part 2

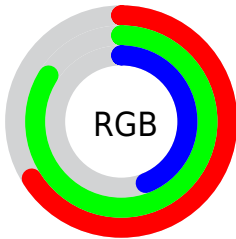
Format	Color
RYB	112, 215, 159
Decimal	11065200
CIELab	80.79, -32.26, 45.65
CIElCh	81, 55.898, 125.250
Yxy	58.0956, 0.3450, 0.4621
Android (android.graphics.Color)	4289255280 (0xFFA8D770)
YUV	189.2050, -38.0621, -18.5968
Hunter-Lab	76.2205, -31.8094, 34.4897

Details

The Yxy color **58.0956, 0.3450, 0.4621** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.8608, 0.2622, 0.1933**, and the grayscale version is **51.2334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2807, 0.3450, 0.4227**, and **28.9892, 0.3477, 0.4985** is the 20% darker color. If you saturate the color by 10%, you get **56.6387, 0.3489, 0.4902**, and if you desaturate by 10%, it is **59.7531, 0.3396, 0.4328**.

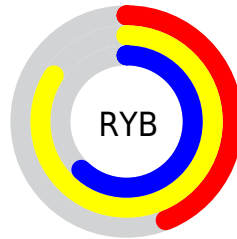
Distribution



Red (66%)

Green (84%)

Blue (44%)



Red (44%)

Yellow (84%)

Blue (62%)

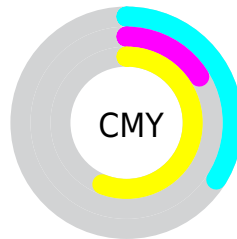


Cyan (22%)

Magenta (0%)

Yellow (48%)

Black (16%)



Cyan (34%)

Magenta (16%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0956, 0.3450, 0.4621 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 58.0956, 0.3450, 0.4621 by changing the saturation by 10% instead.


 58.0956, 0.3450,
0.4621

 58.0956, 0.3450,
0.4621


417.5421, 0.3324,
0.3954


 41.8855, 0.3469,
0.4783


 102.0621, 0.3413,
0.4381

 29.0117, 0.3485,
0.4987


 130.5872, 0.3397,
0.4290

 19.0896, 0.3493,
0.5250


 163.9862, 0.3382,
0.4212

 11.7351, 0.3480,
0.5594

202.6434, 0.3368,
0.4146

 6.5635, 0.3430,
0.6088

246.9432, 0.3356,
0.4088

 3.1907, 0.3245,
0.6755

297.2699, 0.3344,

 1.2321, 0.2202,

0.4038

0.7798

354.0081, 0.3334,
0.3994

0.0877, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.0956, 0.3450,
0.4621

58.0956, 0.3450,
0.4621

56.6387, 0.3489,
0.4902

59.7531, 0.3396,
0.4328

55.3648, 0.3508,
0.5157


61.6128, 0.3331,
0.4035

54.2652, 0.3505,
0.5372

63.6857, 0.3260,
0.3753


53.3269, 0.3478,
0.5535

65.9798, 0.3186,
0.3486


 52.5323, 0.3431,
0.5646

 68.5026, 0.3112,
0.3241

 52.3793, 0.3421,
0.5666

 71.2611, 0.3040,
0.3016

 73.7704, 0.3018,
0.2885

 75.5021, 0.3086,
0.2893

 77.0831, 0.3145,
0.2901

Harmonies

Analogous

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



58.0956, 0.4092, 0.4468



58.0956, 0.3450, 0.4621



58.0956, 0.2757, 0.4281

Triad

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



58.0956, 0.3450, 0.4621



58.0956, 0.1897, 0.2373



58.0956, 0.4100, 0.2962

Complementary

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



58.0956, 0.3450, 0.4621



23.8608, 0.2622, 0.1933

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.



58.0956, 0.3391, 0.2528



58.0956, 0.3450, 0.4621



58.0956, 0.2158, 0.2189

Square

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



58.0956, 0.3450, 0.4621



58.0956, 0.1906, 0.2840



58.0956, 0.2678, 0.2254



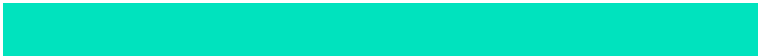
58.0956, 0.4523, 0.3485

Rectangle

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



58.0956, 0.3450, 0.4621



58.0956, 0.2361, 0.3818



58.0956, 0.2678, 0.2254



58.0956, 0.3882, 0.2804

Sweetspot

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



58.0981, 0.3450, 0.4621



94.9512, 0.3232, 0.3650



40.1884, 0.4148, 0.3856



20.1696, 0.3248, 0.3709



0.0000, 0.0000, 0.0000



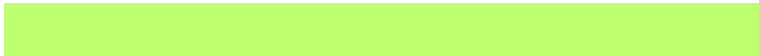
21.4041, 0.3127, 0.3290

Same Dimension

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



58.0981, 0.3450, 0.4621



83.4174, 0.3488, 0.4892



53.5640, 0.3088, 0.4783



14.2253, 0.3197, 0.3525



31.3915, 0.3431, 0.5657



1.9423, 0.3557, 0.5557

Inverse Universe

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



23.8608, 0.2622, 0.1933



27.5219, 0.2488, 0.1651



30.1717, 0.3129, 0.2117



12.2834, 0.3052, 0.3054



4.5519, 0.1947, 0.0846



0.3234, 0.2141, 0.0953

Previews

White Background



This preview shows how the Yxy color 58.0956, 0.3450, 0.4621 looks on a white background.

Color Contrast Check

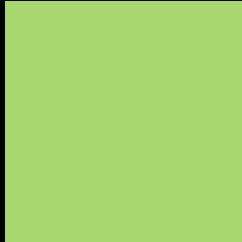
Large Text (above 18pt) WCAG AA × Fail

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 58.0956, 0.3450, 0.4621 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 58.0956, 0.3450, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 58.0956, 0.3450, 0.4621.



This preview shows how white text looks on a background with the Yxy color 58.0956, 0.3450, 0.4621.

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

58.0956, 0.3450, 0.4621

Protanopia

57.5857, 0.3982, 0.4341

Deuteranopia

57.6243, 0.4156, 0.4068



Tritanopia

57.8936, 0.2871, 0.3097

Trichromacy



Original Color

58.0956, 0.3450, 0.4621



Protanomaly

57.1843, 0.3779, 0.4440



Deuteranomaly

57.1684, 0.3887, 0.4263



Tritanomaly

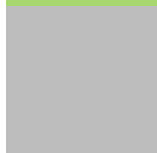
57.3859, 0.3096, 0.3633

Monochromacy



Original Color

58.0956, 0.3450, 0.4621



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.7851, 0.3264, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0956, 0.3450, 0.4621 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(168, 215, 112)` looks like.

```
.text, #text, p{  
    color:rgb(168, 215, 112)  
}
```

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(168, 215, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 215, 112) }
```

Border

The CSS property to change the border of an element to Yxy 58.0956, 0.3450, 0.4621 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(168, 215, 112) }
```

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

```
.border{ border-color:rgb(168, 215, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 215, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 215, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 215, 112);  
box-shadow:4px 4px 4px 4px rgb(168, 215,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0956, 0.3450, 0.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 215, 112) }
```

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

```
.background{ background-color: rgb(168,  
215, 112) }
```

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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