

Converting Colors

$Yxy(49.9980, 0.3545, 0.4494)$

Have a look what the booklet for
Yxy(49.9980, 0.3545, 0.4494)
contains.

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Color

Yxy(50.0169, 0.3548, 0.4496)

Conversions

Conversions Part 1

Format	Color
Hex	AAC66C
RGB	170, 198, 108
RGB Percent	67%, 78%, 42%
CMY	0.3335, 0.2235, 0.5765
CMYK	0.14, 0.00, 0.45, 0.22
HSL	79°, 44%, 60%
HSV	79°, 45%, 78%
XYZ	39.4706, 50.0169, 21.7600
YIQ	179.3680, 12.2020, -33.9260

Conversions

Conversions Part 2

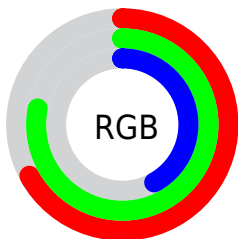
Format	Color
RYB	108, 198, 136
Decimal	11191916
CIELab	76.08, -23.86, 41.83
CIELCh	76, 48.154, 119.703
Yxy	50.0169, 0.3548, 0.4496
Android (android.graphics.Color)	4289381996 (0xFFAAC66C)
YUV	179.3680, -35.1844, -8.2157
Hunter-Lab	70.7226, -24.1429, 31.2634

Details

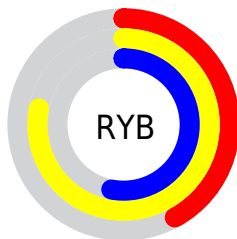
The Yxy color **50.0169, 0.3548, 0.4496** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.0421, 0.2529, 0.1970**, and the grayscale version is **45.4693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4241, 0.3492, 0.4274**, and **23.9650, 0.3618, 0.4833** is the 20% darker color. If you saturate the color by 10%, you get **48.9726, 0.3616, 0.4756**, and if you desaturate by 10%, it is **51.1937, 0.3466, 0.4223**.

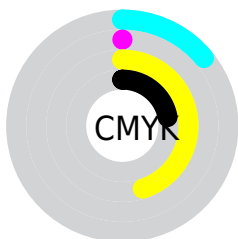
Distribution



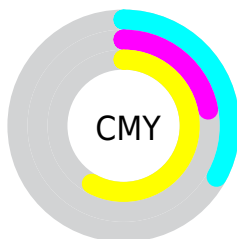
- Red (67%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (53%)



- Cyan (14%)
- Magenta (0%)
- Yellow (45%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0169, 0.3548, 0.4496 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 50.0169, 0.3548, 0.4496 by changing the saturation by 10% instead.


 50.0169, 0.3548,
0.4496


 50.0169, 0.3548,
0.4496


386.7320, 0.3364,
0.3883


 35.4268, 0.3583,
0.4648


 90.1999, 0.3489,
0.4273

 23.9918, 0.3620,
0.4841


 116.5616, 0.3464,
0.4189

 15.3276, 0.3656,
0.5091


 147.6161, 0.3442,
0.4118

 9.0496, 0.3678,
0.5422

 183.7475, 0.3423,
0.4058

 4.7736, 0.3731,
0.5993

225.3405, 0.3406,
0.4005

 2.1150, 0.3500,
0.6500

272.7793, 0.3390,

 0.6731, 0.0784,

0.3959

0.9216

326.4483, 0.3377,
0.3919

0.0000, 0.0000,
0.0000

50.0169, 0.3548,
0.4496

50.0169, 0.3548,
0.4496

48.9726, 0.3616,
0.4756

51.1937, 0.3466,
0.4223

48.0471, 0.3664,
0.4991

52.5027, 0.3374,
0.3948

47.2348, 0.3690,
0.5189


53.9521, 0.3278,
0.3679


46.5267, 0.3690,
0.5342

55.5473, 0.3180,
0.3423

45.9118, 0.3666,
0.5445

57.2934, 0.3084,
0.3184

 45.6537, 0.3651,
0.5483

 59.1954, 0.2992,
0.2963

 61.2579, 0.2904,
0.2762

 62.7284, 0.2894,
0.2687

 63.7057, 0.2938,
0.2695

Harmonies

Analogous

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



50.0169, 0.4104, 0.4310



50.0169, 0.3548, 0.4496



50.0169, 0.2910, 0.4267

Triad

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



50.0169, 0.3548, 0.4496



50.0169, 0.1979, 0.2516



50.0169, 0.3902, 0.2912

Complementary

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



50.0169, 0.3548, 0.4496



20.0421, 0.2529, 0.1970

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.



50.0169, 0.3244, 0.2531



50.0169, 0.3548, 0.4496



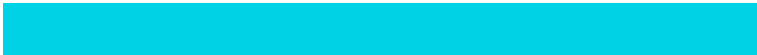
50.0169, 0.2176, 0.2294

Square

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



50.0169, 0.3548, 0.4496



50.0169, 0.2039, 0.2996



50.0169, 0.2616, 0.2310



50.0169, 0.4349, 0.3388

Rectangle

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



50.0169, 0.3548, 0.4496



50.0169, 0.2525, 0.3891



50.0169, 0.2616, 0.2310



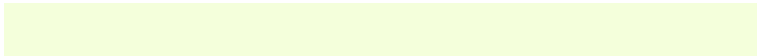
50.0169, 0.3694, 0.2771

Sweetspot

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



50.0191, 0.3548, 0.4496



95.8602, 0.3265, 0.3646



30.4196, 0.4161, 0.3651



20.3916, 0.3287, 0.3704



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.



50.0191, 0.3548, 0.4496



86.6418, 0.3618, 0.4765



45.9141, 0.3189, 0.4647



12.2448, 0.3218, 0.3522



29.7313, 0.3658, 0.5477



1.4449, 0.3773, 0.5386

Inverse Universe

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



20.0421, 0.2529, 0.1970



26.7418, 0.2355, 0.1642



24.5075, 0.2983, 0.2127



10.4452, 0.3030, 0.3055



3.3522, 0.1725, 0.0724



0.1976, 0.1963, 0.0855

Previews

White Background



This preview shows how the Yxy color 50.0169, 0.3548, 0.4496 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 50.0169, 0.3548, 0.4496 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 50.0169, 0.3548, 0.4496

Background



This preview shows how black text looks on a background with the Yxy color 50.0169, 0.3548, 0.4496.



This preview shows how white text looks on a background with the Yxy color 50.0169, 0.3548, 0.4496.

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

50.0169, 0.3548, 0.4496

Protanopia

49.6619, 0.3953, 0.4294

Deuteranopia

49.7633, 0.4125, 0.4043



Tritanopia

49.7500, 0.2975, 0.3101

Trichromacy



Original Color

50.0169, 0.3548, 0.4496

Protanomaly

49.6190, 0.3805, 0.4373

Deuteranomaly

49.3873, 0.3907, 0.4206

Tritanomaly

49.5537, 0.3195, 0.3593

Monochromacy



Original Color

50.0169, 0.3548, 0.4496

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.6478, 0.3302, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0169, 0.3548, 0.4496 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, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 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, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 108) }
```

Border

The CSS property to change the border of an element to Yxy 50.0169, 0.3548, 0.4496 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, 198, 108) }
```

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

```
.border{ border-color:rgb(170, 198, 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, 198, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0169, 0.3548, 0.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 108) }
```

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

```
.background{ background-color: rgb(170,  
198, 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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