

Converting Colors

$Y_{xy}(50.7039, 0.3568, 0.4645)$

Have a look what the booklet for
Yxy(50.7039, 0.3568, 0.4645)
contains.

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Color

Yxy(50.8896, 0.3567, 0.4646)

Conversions

Conversions Part 1

Format	Color
Hex	A7C963
RGB	167, 201, 99
RGB Percent	65%, 79%, 39%
CMY	0.3452, 0.2117, 0.6117
CMYK	0.17, 0.00, 0.51, 0.21
HSL	80°, 49%, 59%
HSV	80°, 51%, 79%
XYZ	39.0709, 50.8896, 19.5738
YIQ	179.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

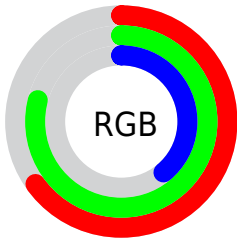
Format	Color
R_{YB}	99, 201, 133
Decimal	10996067
CIE _{Lab}	76.61, -27.42, 46.80
CIE _{LCh}	77, 54.241, 120.366
Yxy	50.8896, 0.3567, 0.4646
Android (android.graphics.Color)	4289186147 (0xFFA7C963)
YUV	179.2060, -39.5416, -10.7047
Hunter-Lab	71.3369, -27.0762, 33.6676

Details

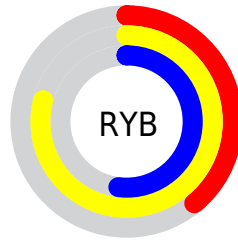
The Yxy color **50.8896, 0.3567, 0.4646** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **18.1386, 0.2462, 0.1809**, and the grayscale version is **45.4042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6343, 0.3520, 0.4372**, and **24.5915, 0.3630, 0.5021** is the 20% darker color. If you saturate the color by 10%, you get **49.8421, 0.3621, 0.4898**, and if you desaturate by 10%, it is **52.0752, 0.3496, 0.4375**.

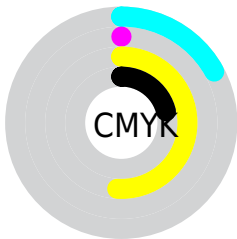
Distribution



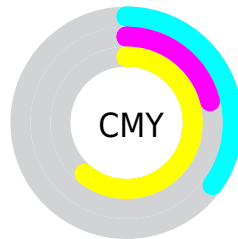
- Red (65%)
- Green (79%)
- Blue (39%)



- Red (39%)
- Yellow (79%)
- Blue (52%)



- Cyan (17%)
- Magenta (0%)
- Yellow (51%)
- Black (21%)





- Cyan (35%)
- Magenta (21%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8896, 0.3567, 0.4646 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 50.8896, 0.3567, 0.4646 by changing the saturation by 10% instead.


 50.8896, 0.3567,
0.4646


 50.8896, 0.3567,
0.4646

390.1347, 0.3382,
0.3958


 36.1208, 0.3598,
0.4815


 91.4916, 0.3510,
0.4397


 24.5275, 0.3629,
0.5027


 118.0935, 0.3486,
0.4303

 15.7254, 0.3652,
0.5299


 149.4085, 0.3464,
0.4223

 9.3300, 0.3650,
0.5652

 185.8211, 0.3444,
0.4155

 4.9571, 0.3692,
0.6308

227.7156, 0.3426,
0.4096

 2.2221, 0.3314,
0.6686

275.4765, 0.3410,

 0.7320, 0.0348,

0.4044

0.9652

329.4880, 0.3396,
0.3999

0.0000, 0.0000,
0.0000

50.8896, 0.3567,
0.4646

50.8896, 0.3567,
0.4646

49.8421, 0.3621,
0.4898

52.0752, 0.3496,
0.4375

48.9182, 0.3654,
0.5120

53.3992, 0.3412,
0.4096

48.1112, 0.3663,
0.5299

54.8704, 0.3321,
0.3821

47.4108, 0.3646,
0.5429

56.4946, 0.3228,
0.3557

46.8396, 0.3614,
0.5513

58.2777, 0.3134,
0.3308

■ 60.2247, 0.3043,
0.3077

■ 62.3409, 0.2956,
0.2866

■ 64.3156, 0.2904,
0.2721

■ 65.3878, 0.2952,
0.2729

Harmonies

Analogous

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



50.8896, 0.4192, 0.4422



50.8896, 0.3567, 0.4646



50.8896, 0.2860, 0.4388

Triad

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



50.8896, 0.3567, 0.4646



50.8896, 0.1865, 0.2417



50.8896, 0.4009, 0.2878

Complementary

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



50.8896, 0.3567, 0.4646



18.1386, 0.2462, 0.1809

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.



50.8896, 0.3270, 0.2461



50.8896, 0.3567, 0.4646



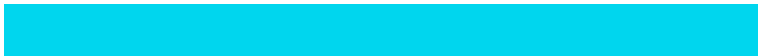
50.8896, 0.2085, 0.2188

Square

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



50.8896, 0.3567, 0.4646



50.8896, 0.1920, 0.2936



50.8896, 0.2570, 0.2215



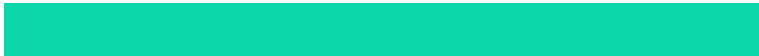
50.8896, 0.4502, 0.3397

Rectangle

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



50.8896, 0.3567, 0.4646



50.8896, 0.2439, 0.3951



50.8896, 0.2570, 0.2215



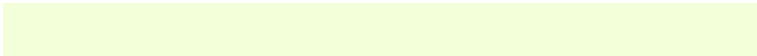
50.8896, 0.3775, 0.2724

Sweetspot

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



50.8919, 0.3567, 0.4646



95.4350, 0.3270, 0.3673



30.1014, 0.4308, 0.3733



20.3005, 0.3290, 0.3730



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.



50.8919, 0.3567, 0.4646



85.1365, 0.3626, 0.4925



46.3946, 0.3164, 0.4837



12.2328, 0.3215, 0.3522



29.4990, 0.3622, 0.5506



1.4352, 0.3744, 0.5409

Inverse Universe

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



18.1386, 0.2462, 0.1809



22.8445, 0.2277, 0.1470



23.3384, 0.2997, 0.2011



10.4566, 0.3034, 0.3055



3.4491, 0.1754, 0.0740



0.2031, 0.1995, 0.0873

Previews

White Background



This preview shows how the Yxy color 50.8896, 0.3567, 0.4646 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 50.8896, 0.3567, 0.4646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

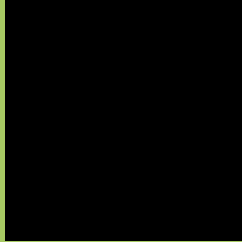
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8896, 0.3567, 0.4646

Background



This preview shows how black text looks on a background with the Yxy color 50.8896, 0.3567, 0.4646.



This preview shows how white text looks on a background with the Yxy color 50.8896, 0.3567, 0.4646.

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

50.8896, 0.3567, 0.4646

Protanopia

50.6313, 0.4022, 0.4400

Deuteranopia

50.4650, 0.4216, 0.4135



Tritanopia

50.4581, 0.2945, 0.3101

Trichromacy



Original Color

50.8896, 0.3567, 0.4646

Protanomaly

50.3219, 0.3855, 0.4493

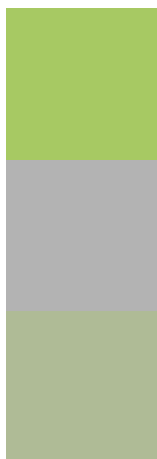
Deuteranomaly

50.1911, 0.3971, 0.4322

Tritanomaly

50.0071, 0.3183, 0.3648

Monochromacy



Original Color

50.8896, 0.3567, 0.4646

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.8566, 0.3315, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8896, 0.3567, 0.4646 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(167, 201, 99)` looks like.

```
.text, #text, p{  
    color:rgb(167, 201, 99)  
}
```

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(167, 201, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 201, 99) }
```

Border

The CSS property to change the border of an element to Yxy 50.8896, 0.3567, 0.4646 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(167, 201, 99) }
```

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

```
.border{ border-color:rgb(167, 201, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 201, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 201, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 201, 99);  
box-shadow:4px 4px 4px 4px rgb(167, 201,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8896, 0.3567, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 201, 99) }
```

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

```
.background{ background-color: rgb(167,  
201, 99) }
```

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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