

Converting Colors

$Yxy(50.2906, 0.3569, 0.4652)$

Have a look what the booklet for
Yxy(50.2906, 0.3569, 0.4652)
contains.

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Color

Yxy(50.2974, 0.3569, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	A6C862
RGB	166, 200, 98
RGB Percent	65%, 78%, 38%
CMY	0.3490, 0.2157, 0.6156
CMYK	0.17, 0.00, 0.51, 0.22
HSL	80°, 48%, 58%
HSV	80°, 51%, 78%
XYZ	38.5880, 50.2974, 19.2345
YIQ	178.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

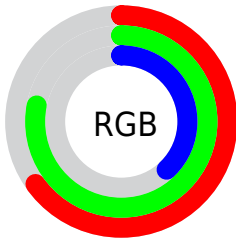
Format	Color
RYB	98, 200, 132
Decimal	10930274
CIELab	76.25, -27.40, 46.83
CIELCh	76, 54.262, 120.332
Yxy	50.2974, 0.3569, 0.4652
Android (android.graphics.Color)	4289120354 (0xFFA6C862)
YUV	178.2060, -39.5416, -10.7047
Hunter-Lab	70.9207, -26.9891, 33.5643

Details

The Yxy color **50.2974, 0.3569, 0.4652** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **17.8156, 0.2458, 0.1801**, and the grayscale version is **44.8476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4423, 0.3519, 0.4385**, and **24.2077, 0.3631, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **49.2659, 0.3623, 0.4904**, and if you desaturate by 10%, it is **51.4651, 0.3498, 0.4381**.

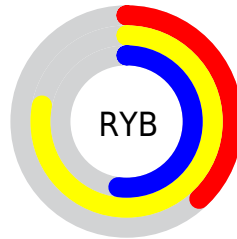
Distribution



Red (65%)

Green (78%)

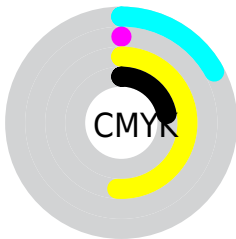
Blue (38%)



Red (38%)

Yellow (78%)

Blue (52%)

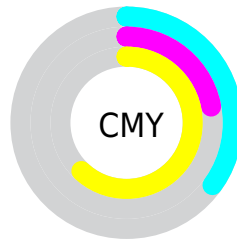


Cyan (17%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2974, 0.3569, 0.4652 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 50.2974, 0.3569, 0.4652 by changing the saturation by 10% instead.


 50.2974, 0.3569,
0.4652

 50.2974, 0.3569,
0.4652

387.8278, 0.3383,
0.3960


 35.6498, 0.3601,
0.4822


 90.6154, 0.3512,
0.4401


 24.1638, 0.3631,
0.5036


 117.0545, 0.3487,
0.4306

 15.4552, 0.3654,
0.5311


 148.1929, 0.3465,
0.4226

 9.1395, 0.3650,
0.5667

 184.4149, 0.3445,
0.4158

 4.8323, 0.3682,
0.6318

226.1051, 0.3427,
0.4098

 2.1492, 0.3297,
0.6703

273.6477, 0.3411,

 0.6921, 0.0000,

0.4046

1.0000

327.4271, 0.3397,
0.4000

0.0000, 0.0000,
0.0000

50.2974, 0.3569,
0.4652

50.2974, 0.3569,
0.4652

49.2659, 0.3623,
0.4904

51.4651, 0.3498,
0.4381

48.3562, 0.3655,
0.5124

52.7693, 0.3415,
0.4103

47.5617, 0.3663,
0.5302

54.2185, 0.3324,
0.3828

46.8721, 0.3646,
0.5431

55.8188, 0.3230,
0.3563

46.3238, 0.3615,
0.5512

57.5757, 0.3136,
0.3314

■ 59.4944, 0.3045,
0.3083

■ 61.5799, 0.2958,
0.2871

■ 63.6409, 0.2895,
0.2709

■ 64.6975, 0.2942,
0.2716

Harmonies

Analogous

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



50.2974, 0.4196, 0.4426



50.2974, 0.3569, 0.4652



50.2974, 0.2860, 0.4394

Triad

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



50.2974, 0.3569, 0.4652



50.2974, 0.1860, 0.2414



50.2974, 0.4012, 0.2876

Complementary

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



50.2974, 0.3569, 0.4652



17.8156, 0.2458, 0.1801

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.



50.2974, 0.3269, 0.2458



50.2974, 0.3569, 0.4652



50.2974, 0.2081, 0.2184

Square

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



50.2974, 0.3569, 0.4652



50.2974, 0.1916, 0.2935



50.2974, 0.2567, 0.2211



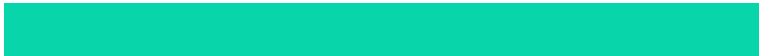
50.2974, 0.4508, 0.3396

Rectangle

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



50.2974, 0.3569, 0.4652



50.2974, 0.2437, 0.3955



50.2974, 0.2567, 0.2211



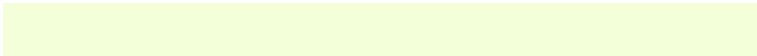
50.2974, 0.3777, 0.2721

Sweetspot

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



50.2996, 0.3569, 0.4652



95.4388, 0.3270, 0.3673



29.2108, 0.4328, 0.3713



20.3014, 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.



50.2996, 0.3569, 0.4652



85.1489, 0.3627, 0.4925



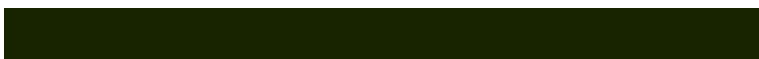
45.9533, 0.3176, 0.4840



12.2331, 0.3215, 0.3522



29.5049, 0.3623, 0.5505



1.4355, 0.3745, 0.5409

Inverse Universe

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



17.8156, 0.2458, 0.1801



22.8360, 0.2277, 0.1470



22.7702, 0.2977, 0.1998



10.4563, 0.3034, 0.3055



3.4465, 0.1754, 0.0740



0.2030, 0.1994, 0.0872

Previews

White Background



This preview shows how the Yxy color 50.2974, 0.3569, 0.4652 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 50.2974, 0.3569, 0.4652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

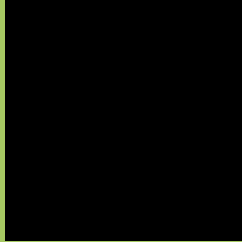
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2974, 0.3569, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 50.2974, 0.3569, 0.4652.



This preview shows how white text looks on a background with the Yxy color 50.2974, 0.3569, 0.4652.

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

50.2974, 0.3569, 0.4652

Protanopia

50.0400, 0.4026, 0.4404

Deuteranopia

49.8775, 0.4221, 0.4138



Tritanopia

49.8619, 0.2944, 0.3100

Trichromacy



Original Color

50.2974, 0.3569, 0.4652

Protanomaly

49.7320, 0.3858, 0.4498

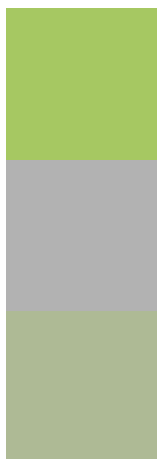
Deuteranomaly

49.6020, 0.3975, 0.4326

Tritanomaly

49.4146, 0.3184, 0.3650

Monochromacy



Original Color

50.2974, 0.3569, 0.4652

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.2864, 0.3316, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2974, 0.3569, 0.4652 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(166, 200, 98)` looks like.

```
.text, #text, p{  
    color:rgb(166, 200, 98)  
}
```

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(166, 200, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 98) }
```

Border

The CSS property to change the border of an element to Yxy 50.2974, 0.3569, 0.4652 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(166, 200, 98) }
```

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

```
.border{ border-color:rgb(166, 200, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 200, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 200, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 200, 98);  
box-shadow:4px 4px 4px 4px rgb(166, 200,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2974, 0.3569, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 98) }
```

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

```
.background{ background-color: rgb(166,  
200, 98) }
```

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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