

Converting Colors

$Yxy(49.5541, 0.3569, 0.4623)$

Have a look what the booklet for
Yxy(49.5541, 0.3569, 0.4623)
contains.

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Color

Yxy(49.3960, 0.3571, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	A6C663
RGB	166, 198, 99
RGB Percent	65%, 78%, 39%
CMY	0.3490, 0.2235, 0.6118
CMYK	0.16, 0.00, 0.50, 0.22
HSL	79°, 46%, 58%
HSV	79°, 50%, 78%
XYZ	38.1721, 49.3960, 19.3265
YIQ	177.1460, 12.7070, -37.5730

Conversions

Conversions Part 2

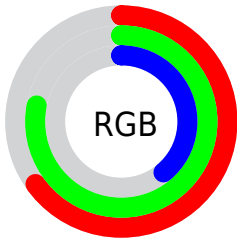
Format	Color
RYB	99, 198, 131
Decimal	10929763
CIELab	75.70, -26.35, 45.70
CIELCh	76, 52.751, 119.966
Yxy	49.3960, 0.3571, 0.4621
Android (android.graphics.Color)	4289119843 (0xFFA6C663)
YUV	177.1460, -38.5260, -9.7750
Hunter-Lab	70.2823, -26.0462, 32.8938

Details

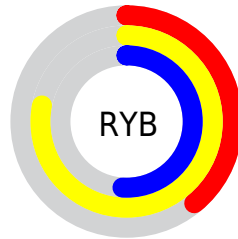
The Yxy color **49.3960, 0.3571, 0.4621** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **17.8272, 0.2465, 0.1829**, and the grayscale version is **44.2496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4750, 0.3513, 0.4375**, and **23.6047, 0.3639, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **48.3901, 0.3629, 0.4873**, and if you desaturate by 10%, it is **50.5336, 0.3497, 0.4351**.

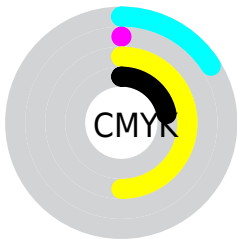
Distribution



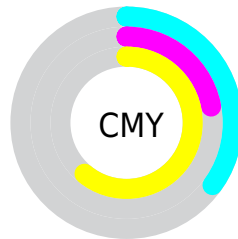
- Red (65%)
- Green (78%)
- Blue (39%)



- Red (39%)
- Yellow (78%)
- Blue (51%)



- Cyan (16%)
- Magenta (0%)
- Yellow (50%)
- Black (22%)




- Cyan (35%)
- Magenta (22%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3960, 0.3571, 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 49.3960, 0.3571, 0.4621 by changing the saturation by 10% instead.


 49.3960, 0.3571,
0.4621

 49.3960, 0.3571,
0.4621


384.2992, 0.3382,
0.3943


 34.9337, 0.3604,
0.4788


 89.2793, 0.3512,
0.4375

 23.6118, 0.3637,
0.5000


 115.4691, 0.3487,
0.4282

 15.0459, 0.3664,
0.5271


 146.3369, 0.3464,
0.4203

 8.8516, 0.3666,
0.5626

 182.2671, 0.3444,
0.4136

 4.6445, 0.3714,
0.6286

223.6440, 0.3426,
0.4078

 2.0402, 0.3332,
0.6668

270.8521, 0.3410,

 0.6307, 0.0000,

0.4027

1.0000

324.2757, 0.3395,
0.3983

■ 0.0000, 0.0000,
0.0000

■ 49.3960, 0.3571,
0.4621

■ 49.3960, 0.3571,
0.4621

■ 48.3901, 0.3629,
0.4873

■ 50.5336, 0.3497,
0.4351

■ 47.5019, 0.3665,
0.5095

■ 51.8029, 0.3411,
0.4074

■ 46.7251, 0.3677,
0.5276

■ 53.2123, 0.3318,
0.3800

■ 46.0501, 0.3664,
0.5408

■ 54.7676, 0.3222,
0.3537

■ 45.4583, 0.3632,
0.5498

■ 56.4741, 0.3127,
0.3290

■ 58.3367, 0.3035,
0.3061

■ 60.3604, 0.2947,
0.2851

■ 62.3938, 0.2879,
0.2684

■ 63.3950, 0.2924,
0.2692

Harmonies

Analogous

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



49.3960, 0.4183, 0.4400



49.3960, 0.3571, 0.4621



49.3960, 0.2875, 0.4373

Triad

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



49.3960, 0.3571, 0.4621



49.3960, 0.1882, 0.2437



49.3960, 0.3985, 0.2879

Complementary

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



49.3960, 0.3571, 0.4621



17.8272, 0.2465, 0.1829

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.



49.3960, 0.3258, 0.2469



49.3960, 0.3571, 0.4621



49.3960, 0.2096, 0.2206

Square

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



49.3960, 0.3571, 0.4621



49.3960, 0.1941, 0.2953



49.3960, 0.2571, 0.2229



49.3960, 0.4474, 0.3390

Rectangle

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



49.3960, 0.3571, 0.4621



49.3960, 0.2459, 0.3949



49.3960, 0.2571, 0.2229



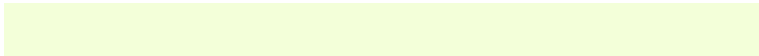
49.3960, 0.3754, 0.2727

Sweetspot

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



49.3982, 0.3571, 0.4621



95.5066, 0.3272, 0.3673



28.9665, 0.4295, 0.3706



20.3178, 0.3293, 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.



49.3982, 0.3571, 0.4621



85.5354, 0.3633, 0.4895



45.0836, 0.3177, 0.4805



12.2385, 0.3216, 0.3522



29.6089, 0.3639, 0.5492



1.4398, 0.3758, 0.5398

Inverse Universe

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



17.8272, 0.2465, 0.1829



23.3462, 0.2282, 0.1494



22.6872, 0.2981, 0.2022



10.4511, 0.3032, 0.3055



3.4018, 0.1740, 0.0732



0.2004, 0.1980, 0.0864

Previews

White Background



This preview shows how the Yxy color 49.3960, 0.3571, 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 49.3960, 0.3571, 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 49.3960, 0.3571, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 49.3960, 0.3571, 0.4621.



This preview shows how white text looks on a background with the Yxy color 49.3960, 0.3571, 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

49.3960, 0.3571, 0.4621

Protanopia

48.9232, 0.4013, 0.4383

Deuteranopia

48.7747, 0.4209, 0.4114



Tritanopia

49.3414, 0.2958, 0.3112

Trichromacy



Original Color

49.3960, 0.3571, 0.4621

Protanomaly

48.7478, 0.3853, 0.4471

Deuteranomaly

48.6364, 0.3970, 0.4298

Tritanomaly

48.9406, 0.3192, 0.3651

Monochromacy



Original Color

49.3960, 0.3571, 0.4621

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.7521, 0.3309, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3960, 0.3571, 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(166, 198, 99)` looks like.

```
.text, #text, p{  
    color:rgb(166, 198, 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(166, 198, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 198, 99) }
```

Border

The CSS property to change the border of an element to Yxy 49.3960, 0.3571, 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(166, 198, 99) }
```

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

```
.border{ border-color:rgb(166, 198, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 198, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 198, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 198, 99);  
box-shadow:4px 4px 4px 4px rgb(166, 198,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3960, 0.3571, 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(166, 198, 99) }
```

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

```
.background{ background-color: rgb(166,  
198, 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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