

Converting Colors

$Yxy(49.8872, 0.3496, 0.4520)$

Have a look what the booklet for
Yxy(49.8872, 0.3496, 0.4520)
contains.

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Color

Yxy(49.9289, 0.3502, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	A5C76C
RGB	165, 199, 108
RGB Percent	65%, 78%, 42%
CMY	0.3529, 0.2196, 0.5765
CMYK	0.17, 0.00, 0.46, 0.22
HSL	82°, 45%, 60%
HSV	82°, 46%, 78%
XYZ	38.6496, 49.9289, 21.7860
YIQ	178.4600, 8.9470, -35.5090

Conversions

Conversions Part 2

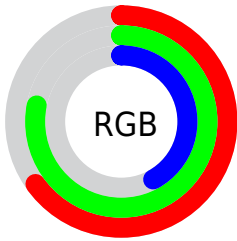
Format	Color
RYB	108, 199, 142
Decimal	10864492
CIELab	76.03, -26.23, 41.69
CIELCh	76, 49.254, 122.181
Yxy	49.9289, 0.3502, 0.4524
Android (android.graphics.Color)	4289054572 (0xFFA5C76C)
YUV	178.4600, -34.7368, -11.8044
Hunter-Lab	70.6604, -26.0202, 31.1820

Details

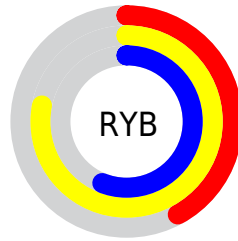
The Yxy color **49.9289, 0.3502, 0.4524** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.5971, 0.2579, 0.1980**, and the grayscale version is **44.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4654, 0.3451, 0.4287**, and **23.9358, 0.3554, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **48.7806, 0.3559, 0.4794**, and if you desaturate by 10%, it is **51.2246, 0.3431, 0.4243**.

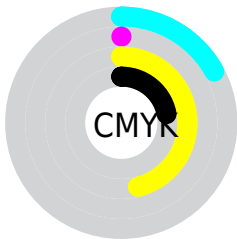
Distribution



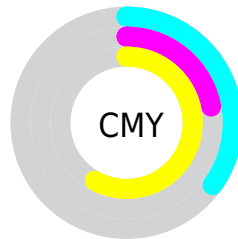
- Red (65%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (56%)



- Cyan (17%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)





- Cyan (35%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9289, 0.3502, 0.4524 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 49.9289, 0.3502, 0.4524 by changing the saturation by 10% instead.


 49.9289, 0.3502,
0.4524

 49.9289, 0.3502,
0.4524

386.3878, 0.3342,
0.3894

 35.3569, 0.3531,
0.4681


 90.0695, 0.3452,
0.4294


 23.9379, 0.3560,
0.4882


 116.4069, 0.3430,
0.4208

 15.2876, 0.3586,
0.5142


 147.4350, 0.3411,
0.4135

 9.0215, 0.3593,
0.5490

 183.5380, 0.3394,
0.4073

 4.7552, 0.3622,
0.6093

225.1004, 0.3379,
0.4019

 2.1043, 0.3356,
0.6644

272.5065, 0.3365,

 0.6671, 0.0000,

0.3972

1.0000

326.1409, 0.3353,
0.3930

0.0000, 0.0000,
0.0000

49.9289, 0.3502,
0.4524

49.9289, 0.3502,
0.4524

48.7806, 0.3559,
0.4794

51.2246, 0.3431,
0.4243

47.7658, 0.3596,
0.5040

52.6679, 0.3350,
0.3961

46.8781, 0.3611,
0.5250


54.2672, 0.3264,
0.3688


46.1082, 0.3601,
0.5412

56.0286, 0.3177,
0.3430

45.4443, 0.3568,
0.5524


57.9575, 0.3091,
0.3190

 45.1838, 0.3550,
0.5563

 60.0591, 0.3007,
0.2970

 62.3384, 0.2928,
0.2770

 63.9894, 0.2931,
0.2704

 65.2062, 0.2984,
0.2713

Harmonies

Analogous

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



49.9289, 0.4084, 0.4358



49.9289, 0.3502, 0.4524



49.9289, 0.2851, 0.4253

Triad

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



49.9289, 0.3502, 0.4524



49.9289, 0.1963, 0.2470



49.9289, 0.3970, 0.2941

Complementary

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



49.9289, 0.3502, 0.4524



20.5971, 0.2579, 0.1980

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.



49.9289, 0.3303, 0.2542



49.9289, 0.3502, 0.4524



49.9289, 0.2184, 0.2266

Square

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



49.9289, 0.3502, 0.4524



49.9289, 0.2001, 0.2937



49.9289, 0.2651, 0.2302



49.9289, 0.4399, 0.3429

Rectangle

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



49.9289, 0.3502, 0.4524



49.9289, 0.2468, 0.3850



49.9289, 0.2651, 0.2302



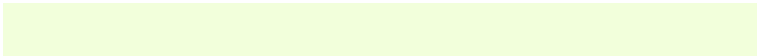
49.9289, 0.3761, 0.2794

Sweetspot

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



49.9311, 0.3502, 0.4524



95.4689, 0.3251, 0.3648



32.3825, 0.4130, 0.3732



20.2959, 0.3270, 0.3706



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.



49.9311, 0.3502, 0.4524



85.3962, 0.3559, 0.4796



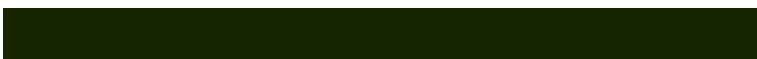
45.9324, 0.3144, 0.4675



12.2115, 0.3209, 0.3522



29.1052, 0.3559, 0.5556



1.4185, 0.3692, 0.5450

Inverse Universe

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



20.5971, 0.2579, 0.1980



27.6535, 0.2422, 0.1670



25.3961, 0.3048, 0.2142



10.4772, 0.3040, 0.3055



3.6418, 0.1812, 0.0772



0.2137, 0.2055, 0.0906

Previews

White Background



This preview shows how the Yxy color 49.9289, 0.3502, 0.4524 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 49.9289, 0.3502, 0.4524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

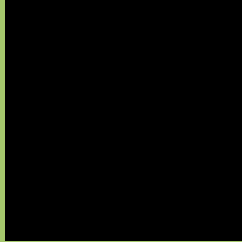
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9289, 0.3502, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 49.9289, 0.3502, 0.4524.



This preview shows how white text looks on a background with the Yxy color 49.9289, 0.3502, 0.4524.

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

49.9289, 0.3502, 0.4524

Protanopia

49.6619, 0.3953, 0.4294

Deuteranopia

49.3639, 0.4131, 0.4032



Tritanopia

49.7432, 0.2936, 0.3100

Trichromacy



Original Color

49.9289, 0.3502, 0.4524

Protanomaly

49.3579, 0.3787, 0.4381

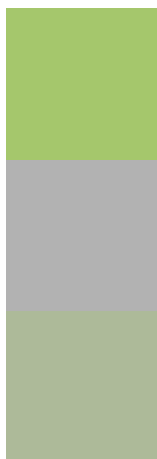
Deuteranomaly

49.1029, 0.3889, 0.4213

Tritanomaly

49.4107, 0.3153, 0.3610

Monochromacy



Original Color

49.9289, 0.3502, 0.4524

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.3020, 0.3275, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9289, 0.3502, 0.4524 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(165, 199, 108)` looks like.

```
.text, #text, p{  
    color:rgb(165, 199, 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(165, 199, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 199, 108) }
```

Border

The CSS property to change the border of an element to Yxy 49.9289, 0.3502, 0.4524 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(165, 199, 108) }
```

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

```
.border{ border-color:rgb(165, 199, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 199, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 199, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 199, 108);  
box-shadow:4px 4px 4px 4px rgb(165, 199,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9289, 0.3502, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 199, 108) }
```

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

```
.background{ background-color: rgb(165,  
199, 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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