

Converting Colors

$Yxy(49.6745, 0.3305, 0.4072)$

Have a look what the booklet for
Yxy(49.6745, 0.3305, 0.4072)
contains.

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Color

Yxy(49.4509, 0.3304, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	A6C48B
RGB	166, 196, 139
RGB Percent	65%, 77%, 55%
CMY	0.3491, 0.2313, 0.4548
CMYK	0.15, 0.00, 0.29, 0.23
HSL	92°, 33%, 66%
HSV	92°, 29%, 77%
XYZ	40.1242, 49.4509, 31.8662
YIQ	180.5320, 0.4170, -24.0870

Conversions

Conversions Part 2

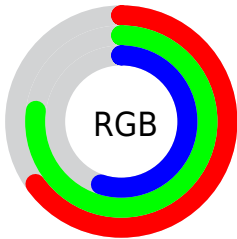
Format	Color
RYB	139, 196, 169
Decimal	10929291
CIELab	75.73, -20.31, 25.37
CIELCh	76, 32.499, 128.679
Yxy	49.4509, 0.3304, 0.4072
Android (android.graphics.Color)	4289119371 (0xFFA6C48B)
YUV	180.5320, -20.4753, -12.7446
Hunter-Lab	70.3213, -21.2131, 22.3576

Details

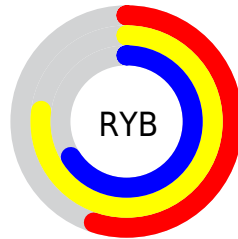
The Yxy color **49.4509, 0.3304, 0.4072** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9004, 0.2897, 0.2516**, and the grayscale version is **46.0552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6304, 0.3280, 0.3926**, and **23.5613, 0.3340, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **47.8586, 0.3356, 0.4371**, and if you desaturate by 10%, it is **51.2399, 0.3246, 0.3785**.

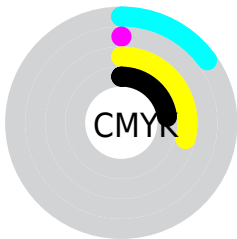
Distribution



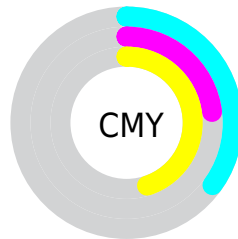
- Red (65%)
- Green (77%)
- Blue (55%)



- Red (55%)
- Yellow (77%)
- Blue (66%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)




- Cyan (35%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4509, 0.3304, 0.4072 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 49.4509, 0.3304, 0.4072 by changing the saturation by 10% instead.

 49.4509, 0.3304,
0.4072

 49.4509, 0.3304,
0.4072


384.5147, 0.3225,
0.3672

 34.9773, 0.3320,
0.4174


 89.3608, 0.3278,
0.3925

 23.6454, 0.3338,
0.4307


 115.5658, 0.3267,
0.3870

 15.0708, 0.3359,
0.4484


 146.4502, 0.3258,
0.3824

 8.8691, 0.3378,
0.4734

182.3982, 0.3250,
0.3784

 4.6559, 0.3387,
0.5105

223.7942, 0.3243,
0.3750

 2.0468, 0.3564,
0.6073

271.0227, 0.3236,

 0.6345, 0.1446,

0.3721

0.8554

324.4681, 0.3230,
0.3695

0.0000, 0.0000,
0.0000

49.4509, 0.3304,
0.4072

49.4509, 0.3304,
0.4072

47.8586, 0.3356,
0.4371

51.2399, 0.3246,
0.3785

46.4490, 0.3397,
0.4672

53.2262, 0.3184,
0.3515

45.2160, 0.3423,
0.4962

55.4188, 0.3121,
0.3268

44.1508, 0.3430,
0.5226

57.8239, 0.3060,
0.3043

43.2433, 0.3417,
0.5447

60.4477, 0.3001,
0.2842

■ 42.4823, 0.3383,
0.5615

■ 63.1904, 0.2955,
0.2677

■ 41.8498, 0.3332,
0.5730

■ 64.9302, 0.3031,
0.2690

■ 41.7955, 0.3327,
0.5740

■ 66.7727, 0.3107,
0.2704

■ 67.9634, 0.3154,
0.2713

Harmonies

Analogous

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



49.4509, 0.3712, 0.4054



49.4509, 0.3304, 0.4072



49.4509, 0.2866, 0.3830

Triad

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



49.4509, 0.3304, 0.4072



49.4509, 0.2340, 0.2696



49.4509, 0.3764, 0.3133

Complementary

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



49.4509, 0.3304, 0.4072



30.9004, 0.2897, 0.2516

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.



49.4509, 0.3352, 0.2827



49.4509, 0.3304, 0.4072



49.4509, 0.2540, 0.2576

Square

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



49.4509, 0.3304, 0.4072



49.4509, 0.2330, 0.2991



49.4509, 0.2902, 0.2627



49.4509, 0.3996, 0.3489

Rectangle

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



49.4509, 0.3304, 0.4072



49.4509, 0.2617, 0.3561



49.4509, 0.2902, 0.2627



49.4509, 0.3640, 0.3022

Sweetspot

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



49.4531, 0.3304, 0.4072



96.3869, 0.3184, 0.3517



41.7799, 0.3654, 0.3677



20.5121, 0.3194, 0.3556



0.0000, 0.0000, 0.0000



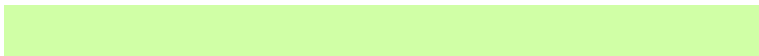
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4531, 0.3304, 0.4072



87.6689, 0.3338, 0.4265



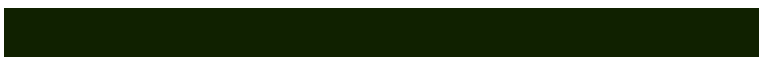
46.8675, 0.3081, 0.4112



11.4872, 0.3186, 0.3523



26.9036, 0.3337, 0.5732



1.2034, 0.3514, 0.5592

Inverse Universe

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



30.9004, 0.2897, 0.2516



48.5156, 0.2832, 0.2328



34.1528, 0.3170, 0.2586



10.0033, 0.3064, 0.3058



4.4764, 0.2087, 0.0923



0.2342, 0.2327, 0.1056

Previews

White Background



This preview shows how the Yxy color 49.4509, 0.3304, 0.4072 looks on a white background.

Color Contrast Check

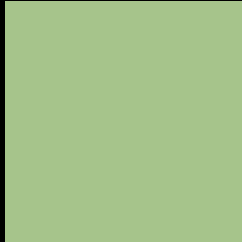
Large Text (above 18pt) WCAG AA × Fail

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 49.4509, 0.3304, 0.4072 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 49.4509, 0.3304, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 49.4509, 0.3304, 0.4072.



This preview shows how white text looks on a background with the Yxy color 49.4509, 0.3304, 0.4072.

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

49.4509, 0.3304, 0.4072

Protanopia

49.1464, 0.3663, 0.3935

Deuteranopia

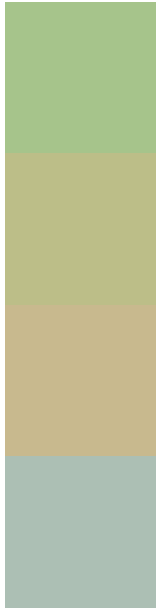
49.2834, 0.3798, 0.3722



Tritanopia

49.3922, 0.2913, 0.3098

Trichromacy



Original Color

49.4509, 0.3304, 0.4072

Protanomaly

49.2959, 0.3533, 0.3995

Deuteranomaly

48.9303, 0.3609, 0.3835

Tritanomaly

49.3275, 0.3056, 0.3435

Monochromacy



Original Color

49.4509, 0.3304, 0.4072

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.1011, 0.3199, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4509, 0.3304, 0.4072 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, 196, 139)` looks like.

```
.text, #text, p{  
    color:rgb(166, 196, 139)  
}
```

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, 196, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 196, 139) }
```

Border

The CSS property to change the border of an element to Yxy 49.4509, 0.3304, 0.4072 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, 196, 139) }
```

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

```
.border{ border-color:rgb(166, 196, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 196, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 196, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 196, 139);  
box-shadow:4px 4px 4px 4px rgb(166, 196,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4509, 0.3304, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 196, 139) }
```

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

```
.background{ background-color: rgb(166,  
196, 139) }
```

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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