

Converting Colors

$Y_{xy}(49.4001, 0.3436, 0.4590)$

Have a look what the booklet for
Yxy(49.4001, 0.3436, 0.4590)
contains.

Yxy(49.4171, 0.3435, 0.4592)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4171, 0.3435, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	9CC86A
RGB	156, 200, 106
RGB Percent	61%, 78%, 42%
CMY	0.3883, 0.2157, 0.5842
CMYK	0.22, 0.00, 0.47, 0.22
HSL	88°, 46%, 60%
HSV	88°, 47%, 78%
XYZ	36.9660, 49.4171, 21.2326
YIQ	176.1280, 3.9500, -38.5620

Conversions

Conversions Part 2

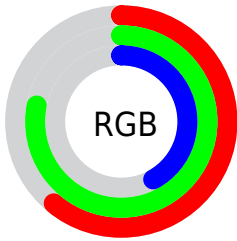
Format	Color
RYB	106, 200, 150
Decimal	10274922
CIELab	75.71, -30.33, 42.14
CIELCh	76, 51.923, 125.744
Yxy	49.4171, 0.3435, 0.4592
Android (android.graphics.Color)	4288465002 (0xFF9CC86A)
YUV	176.1280, -34.5731, -17.6523
Hunter-Lab	70.2973, -29.1557, 31.3002

Details

The Yxy color **49.4171, 0.3435, 0.4592** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.9720, 0.2649, 0.1972**, and the grayscale version is **43.6701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0203, 0.3402, 0.4329**, and **23.6584, 0.3469, 0.4989** is the 20% darker color. If you saturate the color by 10%, you get **48.1517, 0.3474, 0.4876**, and if you desaturate by 10%, it is **50.8559, 0.3382, 0.4298**.

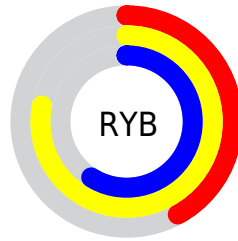
Distribution



Red (61%)

Green (78%)

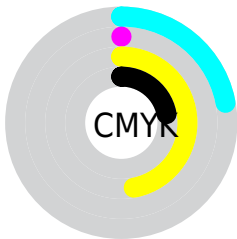
Blue (42%)



Red (42%)

Yellow (78%)

Blue (59%)

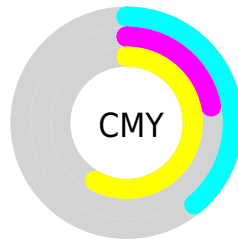


Cyan (22%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (39%)


Magenta (22%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4171, 0.3435, 0.4592 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 49.4171, 0.3435, 0.4592 by changing the saturation by 10% instead.


 49.4171, 0.3435,
0.4592

 49.4171, 0.3435,
0.4592


384.3820, 0.3311,
0.3921


 34.9505, 0.3454,
0.4761


 89.3106, 0.3398,
0.4346


 23.6247, 0.3470,
0.4977


 115.5063, 0.3382,
0.4254

 15.0555, 0.3477,
0.5261


 146.3804, 0.3367,
0.4177

 8.8583, 0.3458,
0.5642

 182.3175, 0.3353,
0.4110

 4.6489, 0.3458,
0.6334

223.7017, 0.3341,
0.4053

 2.0428, 0.3093,
0.6907

270.9177, 0.3330,

 0.6321, 0.0000,

0.4004

1.0000

324.3496, 0.3320,
0.3960

0.0000, 0.0000,
0.0000

49.4171, 0.3435,
0.4592

49.4171, 0.3435,
0.4592

48.1517, 0.3474,
0.4876

50.8559, 0.3382,
0.4298

47.0448, 0.3493,
0.5136

52.4695, 0.3318,
0.4006

46.0892, 0.3491,
0.5358

54.2670, 0.3249,
0.3725


45.2740, 0.3467,
0.5529


56.2554, 0.3177,
0.3462

44.5854, 0.3422,
0.5647


58.4409, 0.3106,
0.3219

 44.3957, 0.3407,
0.5677

 60.8295, 0.3036,
0.2998

 63.4270, 0.2969,
0.2799

 65.5079, 0.2977,
0.2722

 67.1078, 0.3045,
0.2734

Harmonies

Analogous

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



49.4171, 0.4068, 0.4453



49.4171, 0.3435, 0.4592



49.4171, 0.2755, 0.4250

Triad

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



49.4171, 0.3435, 0.4592



49.4171, 0.1919, 0.2385



49.4171, 0.4090, 0.2977

Complementary

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



49.4171, 0.3435, 0.4592



20.9720, 0.2649, 0.1972

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.



49.4171, 0.3399, 0.2547



49.4171, 0.3435, 0.4592



49.4171, 0.2181, 0.2207

Square

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



49.4171, 0.3435, 0.4592



49.4171, 0.1925, 0.2840



49.4171, 0.2697, 0.2273



49.4171, 0.4499, 0.3493

Rectangle

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



49.4171, 0.3435, 0.4592



49.4171, 0.2367, 0.3795



49.4171, 0.2697, 0.2273



49.4171, 0.3878, 0.2821

Sweetspot

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



49.4193, 0.3435, 0.4592



94.8760, 0.3229, 0.3650



35.0968, 0.4107, 0.3863



20.1513, 0.3245, 0.3709



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.



49.4193, 0.3435, 0.4592



83.4011, 0.3473, 0.4871



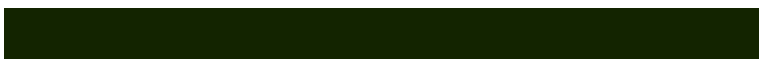
45.6135, 0.3079, 0.4747



12.1608, 0.3195, 0.3523



28.2805, 0.3416, 0.5669



1.3819, 0.3572, 0.5546

Inverse Universe

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



20.9720, 0.2649, 0.1972



28.4456, 0.2517, 0.1685



26.3372, 0.3146, 0.2148



10.5269, 0.3055, 0.3056



4.2058, 0.1972, 0.0860



0.2422, 0.2208, 0.0990

Previews

White Background



This preview shows how the Yxy color 49.4171, 0.3435, 0.4592 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 49.4171, 0.3435, 0.4592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

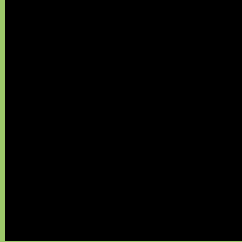
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4171, 0.3435, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 49.4171, 0.3435, 0.4592.

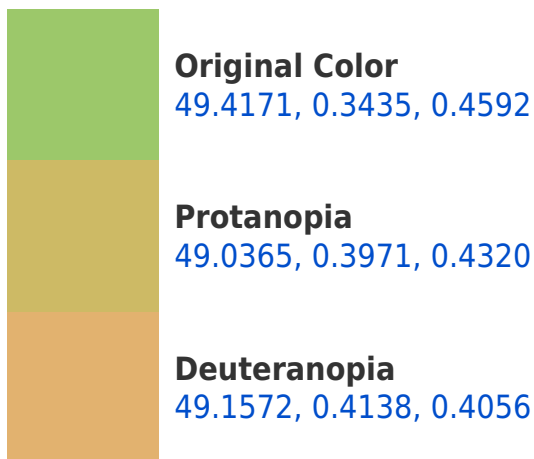


This preview shows how white text looks on a background with the Yxy color 49.4171, 0.3435, 0.4592.

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





Tritanopia

49.3009, 0.2869, 0.3097

Trichromacy



Original Color

49.4171, 0.3435, 0.4592

Protanomaly

48.8057, 0.3764, 0.4419

Deuteranomaly

48.6394, 0.3876, 0.4246

Tritanomaly

48.9664, 0.3087, 0.3629

Monochromacy



Original Color

49.4171, 0.3435, 0.4592

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.3673, 0.3258, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4171, 0.3435, 0.4592 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(156, 200, 106)` looks like.

```
.text, #text, p{  
    color:rgb(156, 200, 106)  
}
```

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(156, 200, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 200, 106) }
```

Border

The CSS property to change the border of an element to Yxy 49.4171, 0.3435, 0.4592 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(156, 200, 106) }
```

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

```
.border{ border-color:rgb(156, 200, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 200, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 200, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 200, 106);  
box-shadow:4px 4px 4px 4px rgb(156, 200,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4171, 0.3435, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 200, 106) }
```

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

```
.background{ background-color: rgb(156,  
200, 106) }
```

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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