

Converting Colors

$Yxy(49.8653, 0.3666, 0.4939)$

Have a look what the booklet for
Yxy(49.8653, 0.3666, 0.4939)
contains.

Yxy(49.9491, 0.3661, 0.4939)	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(49.9491, 0.3661, 0.4939)

Conversions

Conversions Part 1

Format	Color
Hex	A2C94A
RGB	162, 201, 74
RGB Percent	64%, 79%, 29%
CMY	0.3646, 0.2118, 0.7100
CMYK	0.19, 0.00, 0.63, 0.21
HSL	78°, 54%, 54%
HSV	78°, 63%, 79%
XYZ	37.0244, 49.9491, 14.1585
YIQ	174.8610, 17.5230, -47.7650

Conversions

Conversions Part 2

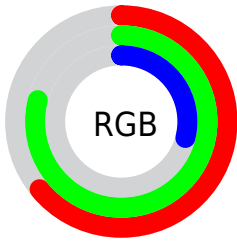
Format	Color
RYB	74, 201, 113
Decimal	10668362
CIELab	76.04, -31.55, 57.36
CIElCh	76, 65.467, 118.814
Yxy	49.9491, 0.3661, 0.4939
Android (android.graphics.Color)	4288858442 (0xFFA2C94A)
YUV	174.8610, -49.7245, -11.2791
Hunter-Lab	70.6747, -30.1697, 37.5945

Details

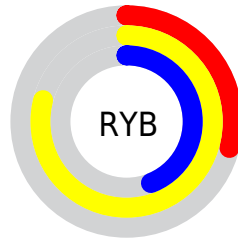
The Yxy color **49.9491, 0.3661, 0.4939** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.6139, 0.2222, 0.1416**, and the grayscale version is **43.0496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1386, 0.3609, 0.4619**, and **24.0174, 0.3708, 0.5378** is the 20% darker color. If you saturate the color by 10%, you get **49.0923, 0.3692, 0.5145**, and if you desaturate by 10%, it is **50.9285, 0.3607, 0.4698**.

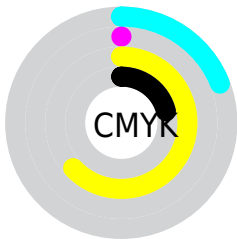
Distribution



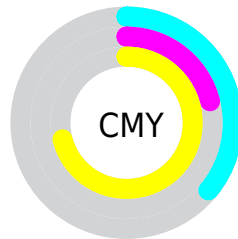
- Red (64%)
- Green (79%)
- Blue (29%)



- Red (29%)
- Yellow (79%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (63%)
- Black (21%)




- Cyan (36%)
- Magenta (21%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9491, 0.3661, 0.4939 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 49.9491, 0.3661, 0.4939 by changing the saturation by 10% instead.


 49.9491, 0.3661,
0.4939

 49.9491, 0.3661,
0.4939


386.4669, 0.3452,
0.4107

 35.3730, 0.3688,
0.5137


 90.0995, 0.3602,
0.4642


 23.9503, 0.3707,
0.5380


 116.4425, 0.3575,
0.4528


 15.2968, 0.3704,
0.5679


 147.4765, 0.3549,
0.4431

 9.0279, 0.3677,
0.6097

 183.5861, 0.3526,
0.4348

 4.7594, 0.3487,
0.6513

 225.1555, 0.3505,
0.4276

 2.1068, 0.3039,
0.6961

272.5692, 0.3485,

 0.6684, 0.0000,

0.4213

1.0000

326.2115, 0.3468,
0.4157

0.0000, 0.0000,
0.0000

49.9491, 0.3661,
0.4939

49.9491, 0.3661,
0.4939

49.0923, 0.3692,
0.5145

50.9285, 0.3607,
0.4698

48.3424, 0.3699,
0.5307

52.0318, 0.3535,
0.4435

47.6909, 0.3681,
0.5421

53.2683, 0.3449,
0.4161

47.2917, 0.3659,
0.5477

54.6444, 0.3355,
0.3887

56.1662, 0.3257,
0.3620

■ 57.8391, 0.3158,
0.3368

■ 59.6686, 0.3062,
0.3132

■ 61.6595, 0.2970,
0.2916

■ 63.8166, 0.2883,
0.2719

Harmonies

Analogous

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



49.9491, 0.4403, 0.4585



49.9491, 0.3661, 0.4939



49.9491, 0.2825, 0.4691

Triad

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



49.9491, 0.3661, 0.4939



49.9491, 0.1644, 0.2261



49.9491, 0.4152, 0.2763

Complementary

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



49.9491, 0.3661, 0.4939



12.6139, 0.2222, 0.1416

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.



49.9491, 0.3241, 0.2294



49.9491, 0.3661, 0.4939



49.9491, 0.1878, 0.1996

Square

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



49.9491, 0.3661, 0.4939



49.9491, 0.1714, 0.2881



49.9491, 0.2419, 0.2023



49.9491, 0.4774, 0.3350

Rectangle

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



49.9491, 0.3661, 0.4939



49.9491, 0.2324, 0.4154



49.9491, 0.2419, 0.2023



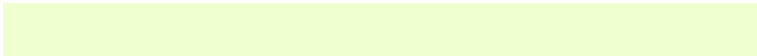
49.9491, 0.3860, 0.2589

Sweetspot

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



49.9513, 0.3661, 0.4939



94.5518, 0.3316, 0.3780



24.5140, 0.4774, 0.3760



20.0802, 0.3345, 0.3858



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.



49.9513, 0.3661, 0.4939



83.5330, 0.3698, 0.5213



44.9408, 0.3177, 0.5229



12.2474, 0.3219, 0.3521



29.7846, 0.3666, 0.5471



1.4471, 0.3780, 0.5381

Inverse Universe

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



12.6139, 0.2222, 0.1416



14.6194, 0.1995, 0.1058



18.2903, 0.2899, 0.1721



10.4427, 0.3030, 0.3055



3.3315, 0.1719, 0.0720



0.1964, 0.1956, 0.0851

Previews

White Background



This preview shows how the Yxy color 49.9491, 0.3661, 0.4939 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 49.9491, 0.3661, 0.4939 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 49.9491, 0.3661, 0.4939

Background



This preview shows how black text looks on a background with the Yxy color 49.9491, 0.3661, 0.4939.



This preview shows how white text looks on a background with the Yxy color 49.9491, 0.3661, 0.4939.

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

49.9491, 0.3661, 0.4939

Protanopia

49.5382, 0.4195, 0.4600

Deuteranopia

49.5907, 0.4409, 0.4314



Tritanopia

49.6253, 0.2929, 0.3099

Trichromacy



Original Color

49.9491, 0.3661, 0.4939

Protanomaly

49.3607, 0.3998, 0.4729

Deuteranomaly

48.9333, 0.4140, 0.4535

Tritanomaly

49.3109, 0.3234, 0.3789

Monochromacy



Original Color

49.9491, 0.3661, 0.4939

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.6620, 0.3372, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9491, 0.3661, 0.4939 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(162, 201, 74)` looks like.

```
.text, #text, p{  
    color:rgb(162, 201, 74)  
}
```

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(162, 201, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 201, 74) }
```

Border

The CSS property to change the border of an element to Yxy 49.9491, 0.3661, 0.4939 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(162, 201, 74) }
```

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

```
.border{ border-color:rgb(162, 201, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 201, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 201, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 201, 74);  
box-shadow:4px 4px 4px 4px rgb(162, 201,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9491, 0.3661, 0.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 201, 74) }
```

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

```
.background{ background-color: rgb(162,  
201, 74) }
```

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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