

Converting Colors

$Yxy(48.9049, 0.3654, 0.5078)$

Have a look what the booklet for
Yxy(48.9049, 0.3654, 0.5078)
contains.

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Color

Yxy(49.0897, 0.3654, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	9BC93E
RGB	155, 201, 62
RGB Percent	61%, 79%, 24%
CMY	0.3921, 0.2118, 0.7568
CMYK	0.23, 0.00, 0.69, 0.21
HSL	80°, 56%, 52%
HSV	80°, 69%, 79%
XYZ	35.2751, 49.0897, 12.1735
YIQ	171.4000, 17.2030, -52.9810

Conversions

Conversions Part 2

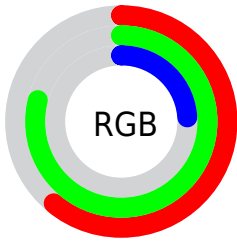
Format	Color
RYB	62, 201, 108
Decimal	10209598
CIELab	75.51, -35.11, 61.42
CIELCh	76, 70.748, 119.752
Yxy	49.0897, 0.3654, 0.5085
Android (android.graphics.Color)	4288399678 (0xFF9BC93E)
YUV	171.4000, -53.9342, -14.3828
Hunter-Lab	70.0640, -32.7428, 38.7433

Details

The Yxy color **49.0897, 0.3654, 0.5085** 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 **10.8510, 0.2153, 0.1266**, and the grayscale version is **41.2090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8014, 0.3613, 0.4743**, and **23.5201, 0.3638, 0.5493** is the 20% darker color. If you saturate the color by 10%, you get **48.2704, 0.3667, 0.5271**, and if you desaturate by 10%, it is **50.0312, 0.3617, 0.4859**.

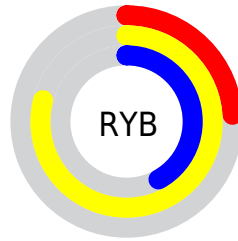
Distribution



Red (61%)

Green (79%)

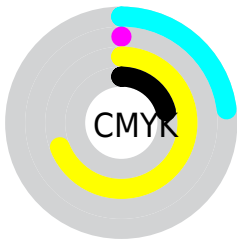
Blue (24%)



Red (24%)

Yellow (79%)

Blue (42%)

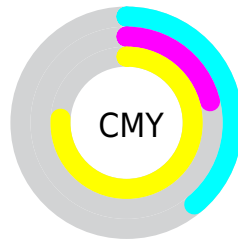


Cyan (23%)

Magenta (0%)

Yellow (69%)

Black (21%)



Cyan (39%)


Magenta (21%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0897, 0.3654, 0.5085 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 49.0897, 0.3654, 0.5085 by changing the saturation by 10% instead.


 49.0897, 0.3654,
0.5085


 49.0897, 0.3654,
0.5085


383.0953, 0.3460,
0.4178

 34.6906, 0.3672,
0.5299


 88.8247, 0.3605,
0.4762


 23.4247, 0.3676,
0.5559

 114.9294, 0.3579,
0.4638


 14.9074, 0.3647,
0.5876


 145.7047, 0.3556,
0.4532

 8.7544, 0.3619,
0.6381

 181.5351, 0.3533,
0.4441

 4.5813, 0.3305,
0.6695

 222.8050, 0.3513,
0.4362

 2.0038, 0.2788,
0.7212

269.8987, 0.3494,

 0.6097, 0.0000,

0.4293

1.0000

323.2007, 0.3476,
0.4232

■ 0.0000, 0.0000,
0.0000

■ 49.0897, 0.3654,
0.5085

■ 49.0897, 0.3654,
0.5085

■ 48.2704, 0.3667,
0.5271

■ 50.0312, 0.3617,
0.4859

■ 47.5566, 0.3655,
0.5409

■ 51.0970, 0.3559,
0.4603

■ 46.9338, 0.3622,
0.5502

■ 52.2969, 0.3485,
0.4330

■ 46.8834, 0.3619,
0.5509

■ 53.6378, 0.3400,
0.4052

■ 55.1262, 0.3308,
0.3778

■ 56.7679, 0.3213,
0.3516

■ 58.5686, 0.3119,
0.3270

■ 60.5333, 0.3028,
0.3042

■ 62.6672, 0.2942,
0.2834

Harmonies

Analogous

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



49.0897, 0.4461, 0.4683



49.0897, 0.3654, 0.5085



49.0897, 0.2759, 0.4811

Triad

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



49.0897, 0.3654, 0.5085



49.0897, 0.1547, 0.2163



49.0897, 0.4267, 0.2736

Complementary

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



49.0897, 0.3654, 0.5085



10.8510, 0.2153, 0.1266

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.



49.0897, 0.3276, 0.2237



49.0897, 0.3654, 0.5085



49.0897, 0.1804, 0.1902

Square

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



49.0897, 0.3654, 0.5085



49.0897, 0.1606, 0.2808



49.0897, 0.2385, 0.1943



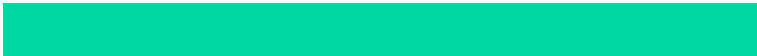
49.0897, 0.4925, 0.3357

Rectangle

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



49.0897, 0.3654, 0.5085



49.0897, 0.2231, 0.4203



49.0897, 0.2385, 0.1943



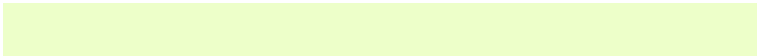
49.0897, 0.3950, 0.2552

Sweetspot

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



49.0919, 0.3654, 0.5085



93.8111, 0.3328, 0.3836



23.0781, 0.4968, 0.3807



19.9245, 0.3354, 0.3913



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.



49.0919, 0.3654, 0.5085



82.0071, 0.3664, 0.5346



44.1722, 0.3152, 0.5411



12.2344, 0.3215, 0.3522



29.5293, 0.3627, 0.5502



1.4365, 0.3748, 0.5406

Inverse Universe

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



10.8510, 0.2153, 0.1266



12.5095, 0.1925, 0.0934



16.8371, 0.2895, 0.1622



10.4551, 0.3033, 0.3055



3.4358, 0.1750, 0.0738



0.2024, 0.1991, 0.0870

Previews

White Background



This preview shows how the Yxy color 49.0897, 0.3654, 0.5085 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 49.0897, 0.3654, 0.5085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

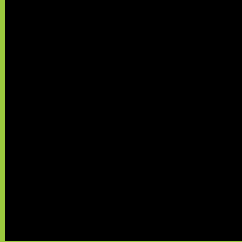
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0897, 0.3654, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 49.0897, 0.3654, 0.5085.



This preview shows how white text looks on a background with the Yxy color 49.0897, 0.3654, 0.5085.

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

49.0897, 0.3654, 0.5085

Protanopia

48.8332, 0.4252, 0.4684

Deuteranopia

48.4945, 0.4477, 0.4376



Tritanopia

48.9362, 0.2883, 0.3096

Trichromacy



Original Color

49.0897, 0.3654, 0.5085

Protanomaly

48.3962, 0.4035, 0.4832

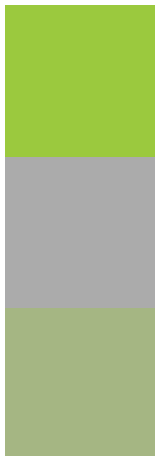
Deuteranomaly

47.8118, 0.4166, 0.4630

Tritanomaly

48.4063, 0.3205, 0.3854

Monochromacy



Original Color

49.0897, 0.3654, 0.5085

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

43.0939, 0.3387, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0897, 0.3654, 0.5085 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(155, 201, 62)` looks like.

```
.text, #text, p{  
    color:rgb(155, 201, 62)  
}
```

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(155, 201, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 201, 62) }
```

Border

The CSS property to change the border of an element to Yxy 49.0897, 0.3654, 0.5085 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(155, 201, 62) }
```

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

```
.border{ border-color:rgb(155, 201, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 201, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 201, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 201, 62);  
box-shadow:4px 4px 4px 4px rgb(155, 201,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0897, 0.3654, 0.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 201, 62) }
```

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

```
.background{ background-color: rgb(155,  
201, 62) }
```

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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