

Converting Colors

$Yxy(48.2576, 0.3629, 0.4997)$

Have a look what the booklet for
Yxy(48.2576, 0.3629, 0.4997)
contains.

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Color

Yxy(48.2576, 0.3629, 0.4997)

Conversions

Conversions Part 1

Format	Color
Hex	9BC746
RGB	155, 199, 70
RGB Percent	61%, 78%, 27%
CMY	0.3922, 0.2196, 0.7253
CMYK	0.22, 0.00, 0.65, 0.22
HSL	80°, 54%, 53%
HSV	80°, 65%, 78%
XYZ	35.0464, 48.2576, 13.2691
YIQ	171.1380, 15.1850, -49.4470

Conversions

Conversions Part 2

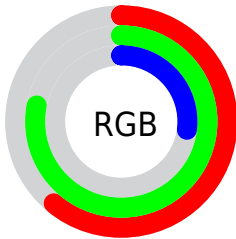
Format	Color
RYB	70, 199, 114
Decimal	10209094
CIELab	74.99, -33.65, 57.72
CIELCh	75, 66.808, 120.239
Yxy	48.2576, 0.3629, 0.4997
Android (android.graphics.Color)	4288399174 (0xFF9BC746)
YUV	171.1380, -49.8610, -14.1530
Hunter-Lab	69.4677, -31.5154, 37.3023

Details

The Yxy color **48.2576, 0.3629, 0.4997** 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 **12.0917, 0.2239, 0.1392**, and the grayscale version is **41.0500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9723, 0.3580, 0.4679**, and **22.9645, 0.3662, 0.5463** is the 20% darker color. If you saturate the color by 10%, you get **47.3953, 0.3651, 0.5204**, and if you desaturate by 10%, it is **49.2453, 0.3584, 0.4754**.

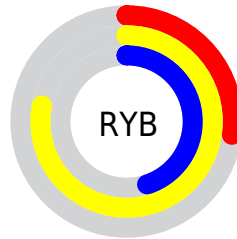
Distribution



Red (61%)

Green (78%)

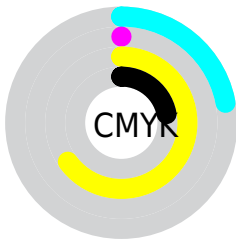
Blue (27%)



Red (27%)

Yellow (78%)

Blue (45%)

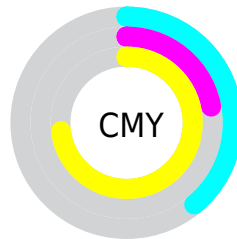


Cyan (22%)

Magenta (0%)

Yellow (65%)

Black (22%)



Cyan (39%)


Magenta (22%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2576, 0.3629, 0.4997 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 48.2576, 0.3629, 0.4997 by changing the saturation by 10% instead.


 48.2576, 0.3629,
0.4997


 48.2576, 0.3629,
0.4997


379.8123, 0.3438,
0.4128


 34.0309, 0.3650,
0.5205


 87.5878, 0.3578,
0.4685


 22.9174, 0.3660,
0.5462


 113.4602, 0.3553,
0.4566


 14.5325, 0.3643,
0.5780


 143.9832, 0.3529,
0.4465

 8.4919, 0.3611,
0.6255

 179.5413, 0.3508,
0.4378

 4.4113, 0.3352,
0.6648

 220.5188, 0.3488,
0.4303

 1.9062, 0.2839,
0.7161

267.3003, 0.3470,

 0.5521, 0.0000,

0.4238

1.0000

320.2699, 0.3453,
0.4180

■ 0.0000, 0.0000,
0.0000

■ 48.2576, 0.3629,
0.4997

■ 48.2576, 0.3629,
0.4997

■ 47.3953, 0.3651,
0.5204

■ 49.2453, 0.3584,
0.4754

■ 46.6427, 0.3648,
0.5365

■ 50.3599, 0.3520,
0.4488

■ 45.9909, 0.3622,
0.5477

■ 51.6108, 0.3443,
0.4210

■ 45.6812, 0.3602,
0.5522

■ 53.0046, 0.3356,
0.3932

■ 54.5472, 0.3264,
0.3663

■ 56.2445, 0.3171,
0.3407

■ 58.1017, 0.3080,
0.3169

■ 60.1238, 0.2992,
0.2950

■ 62.3157, 0.2909,
0.2751

Harmonies

Analogous

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



48.2576, 0.4402, 0.4641



48.2576, 0.3629, 0.4997



48.2576, 0.2771, 0.4712

Triad

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



48.2576, 0.3629, 0.4997



48.2576, 0.1611, 0.2209



48.2576, 0.4224, 0.2773

Complementary

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



48.2576, 0.3629, 0.4997



12.0917, 0.2239, 0.1392

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.



48.2576, 0.3287, 0.2287



48.2576, 0.3629, 0.4997



48.2576, 0.1864, 0.1957

Square

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



48.2576, 0.3629, 0.4997



48.2576, 0.1665, 0.2825



48.2576, 0.2432, 0.1999



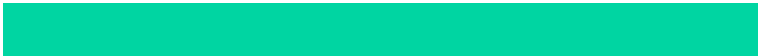
48.2576, 0.4843, 0.3375

Rectangle

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



48.2576, 0.3629, 0.4997



48.2576, 0.2266, 0.4137



48.2576, 0.2432, 0.1999



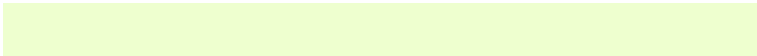
48.2576, 0.3926, 0.2593

Sweetspot

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



48.2597, 0.3629, 0.4997



94.2605, 0.3305, 0.3782



24.4034, 0.4786, 0.3820



20.0094, 0.3332, 0.3861



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.



48.2597, 0.3629, 0.4997



82.3857, 0.3653, 0.5280



43.5438, 0.3148, 0.5292



12.2288, 0.3214, 0.3522



29.4223, 0.3610, 0.5516



1.4320, 0.3734, 0.5417

Inverse Universe

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



12.0917, 0.2239, 0.1392



14.3421, 0.2012, 0.1039



17.9175, 0.2941, 0.1714



10.4605, 0.3035, 0.3055



3.4837, 0.1765, 0.0746



0.2050, 0.2006, 0.0879

Previews

White Background



This preview shows how the Yxy color 48.2576, 0.3629, 0.4997 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 48.2576, 0.3629, 0.4997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

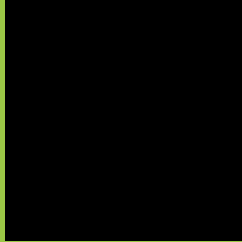
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2576, 0.3629, 0.4997

Background



This preview shows how black text looks on a background with the Yxy color 48.2576, 0.3629, 0.4997.



This preview shows how white text looks on a background with the Yxy color 48.2576, 0.3629, 0.4997.

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

48.2576, 0.3629, 0.4997

Protanopia

47.7961, 0.4212, 0.4620

Deuteranopia

47.7040, 0.4417, 0.4327



Tritanopia

47.9928, 0.2896, 0.3095

Trichromacy



Original Color

48.2576, 0.3629, 0.4997

Protanomaly

47.3652, 0.3993, 0.4764

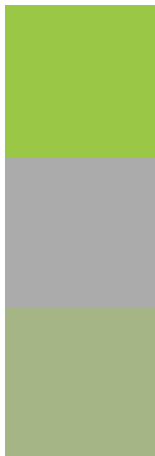
Deuteranomaly

47.2065, 0.4117, 0.4573

Tritanomaly

47.5608, 0.3200, 0.3815

Monochromacy



Original Color

48.2576, 0.3629, 0.4997

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.7683, 0.3365, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2576, 0.3629, 0.4997 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, 199, 70)` looks like.

```
.text, #text, p{  
    color:rgb(155, 199, 70)  
}
```

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, 199, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 199, 70) }
```

Border

The CSS property to change the border of an element to Yxy 48.2576, 0.3629, 0.4997 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, 199, 70) }
```

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

```
.border{ border-color:rgb(155, 199, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 199, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 199, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 199, 70);  
box-shadow:4px 4px 4px 4px rgb(155, 199,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2576, 0.3629, 0.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 199, 70) }
```

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

```
.background{ background-color: rgb(155,  
199, 70) }
```

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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