

Converting Colors

$Y_{xy}(47.3926, 0.3702, 0.5003)$

Have a look what the booklet for
Yxy(47.3926, 0.3702, 0.5003)
contains.

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Color

Yxy(47.2324, 0.3703, 0.4998)

Conversions

Conversions Part 1

Format	Color
Hex	9FC441
RGB	159, 196, 65
RGB Percent	62%, 77%, 25%
CMY	0.3764, 0.2314, 0.7450
CMYK	0.19, 0.00, 0.67, 0.23
HSL	77°, 53%, 51%
HSV	77°, 67%, 77%
XYZ	34.9943, 47.2324, 12.2759
YIQ	170.0030, 19.9990, -48.5850

Conversions

Conversions Part 2

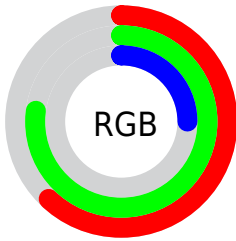
Format	Color
RYB	65, 196, 102
Decimal	10470465
CIELab	74.34, -31.03, 59.14
CIELCh	74, 66.781, 117.684
Yxy	47.2324, 0.3703, 0.4998
Android (android.graphics.Color)	4288660545 (0xFF9FC441)
YUV	170.0030, -51.7665, -9.6496
Hunter-Lab	68.7258, -29.3803, 37.5176

Details

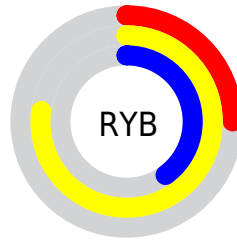
The Yxy color **47.2324, 0.3703, 0.4998** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **10.5939, 0.2133, 0.1303**, and the grayscale version is **40.4586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1814, 0.3638, 0.4696**, and **22.2891, 0.3737, 0.5415** is the 20% darker color. If you saturate the color by 10%, you get **46.4920, 0.3730, 0.5184**, and if you desaturate by 10%, it is **48.0812, 0.3652, 0.4773**.

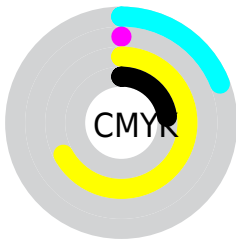
Distribution



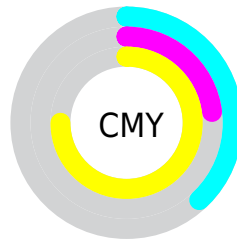
- Red (62%)
- Green (77%)
- Blue (25%)



- Red (25%)
- Yellow (77%)
- Blue (40%)



- Cyan (19%)
- Magenta (0%)
- Yellow (67%)
- Black (23%)





- Cyan (38%)
- Magenta (23%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2324, 0.3703, 0.4998 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 47.2324, 0.3703, 0.4998 by changing the saturation by 10% instead.


 47.2324, 0.3703,
0.4998


 47.2324, 0.3703,
0.4998


375.7414, 0.3477,
0.4133


 33.2194, 0.3731,
0.5203


 86.0604, 0.3640,
0.4689

 22.2946, 0.3749,
0.5453


 111.6442, 0.3610,
0.4571

 14.0735, 0.3738,
0.5758


 141.8538, 0.3583,
0.4470

 8.1718, 0.3742,
0.6255

 177.0735, 0.3558,
0.4383

 4.2051, 0.3451,
0.6549

 217.6877, 0.3535,
0.4308

 1.7889, 0.2958,
0.7042

264.0808, 0.3513,

 0.4803, 0.0000,

0.4243

1.0000

316.6373, 0.3494,
0.4185

■ 0.0000, 0.0000,
0.0000

■ 47.2324, 0.3703,
0.4998

■ 47.2324, 0.3703,
0.4998

■ 46.4920, 0.3730,
0.5184

■ 48.0812, 0.3652,
0.4773

■ 45.8447, 0.3732,
0.5325

■ 49.0397, 0.3582,
0.4521

■ 45.2809, 0.3710,
0.5419

■ 50.1167, 0.3496,
0.4254

■ 45.1125, 0.3700,
0.5444

■ 51.3186, 0.3400,
0.3982

■ 52.6510, 0.3299,
0.3714

■ 54.1192, 0.3196,
0.3457

■ 55.7281, 0.3095,
0.3215

■ 57.4825, 0.2998,
0.2992

■ 59.3869, 0.2906,
0.2787

Harmonies

Analogous

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



47.2324, 0.4464, 0.4600



47.2324, 0.3703, 0.4998



47.2324, 0.2839, 0.4778

Triad

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



47.2324, 0.3703, 0.4998



47.2324, 0.1595, 0.2239



47.2324, 0.4158, 0.2722

Complementary

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



47.2324, 0.3703, 0.4998



10.5939, 0.2133, 0.1303

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.



47.2324, 0.3207, 0.2248



47.2324, 0.3703, 0.4998



47.2324, 0.1824, 0.1959

Square

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



47.2324, 0.3703, 0.4998



47.2324, 0.1677, 0.2892



47.2324, 0.2366, 0.1978



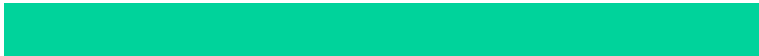
47.2324, 0.4823, 0.3320

Rectangle

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



47.2324, 0.3703, 0.4998



47.2324, 0.2318, 0.4229



47.2324, 0.2366, 0.1978



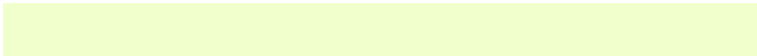
47.2324, 0.3851, 0.2545

Sweetspot

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



47.2345, 0.3703, 0.4998



94.5096, 0.3334, 0.3806



21.2224, 0.4951, 0.3716



20.0814, 0.3363, 0.3883



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.



47.2345, 0.3703, 0.4998



83.6820, 0.3734, 0.5253



42.3266, 0.3199, 0.5315



11.6108, 0.3222, 0.3520



29.0316, 0.3707, 0.5438



1.2877, 0.3820, 0.5349

Inverse Universe

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



10.5939, 0.2133, 0.1303



12.8142, 0.1902, 0.0956



15.8151, 0.2828, 0.1629



9.8826, 0.3026, 0.3055



3.1272, 0.1690, 0.0704



0.1711, 0.1943, 0.0844

Previews

White Background



This preview shows how the Yxy color 47.2324, 0.3703, 0.4998 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 47.2324, 0.3703, 0.4998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

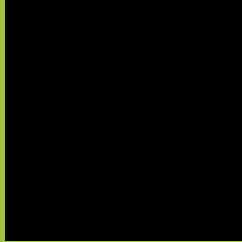
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2324, 0.3703, 0.4998

Background



This preview shows how black text looks on a background with the Yxy color 47.2324, 0.3703, 0.4998.



This preview shows how white text looks on a background with the Yxy color 47.2324, 0.3703, 0.4998.

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

47.2324, 0.3703, 0.4998

Protanopia

47.0413, 0.4227, 0.4659

Deuteranopia

46.6991, 0.4456, 0.4351



Tritanopia

46.9429, 0.2940, 0.3095

Trichromacy



Original Color

47.2324, 0.3703, 0.4998

Protanomaly

47.0056, 0.4034, 0.4790

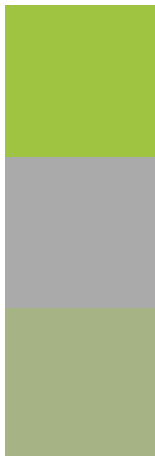
Deuteranomaly

46.0465, 0.4178, 0.4582

Tritanomaly

46.6035, 0.3261, 0.3814

Monochromacy



Original Color

47.2324, 0.3703, 0.4998

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.0131, 0.3395, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2324, 0.3703, 0.4998 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(159, 196, 65)` looks like.

```
.text, #text, p{  
    color:rgb(159, 196, 65)  
}
```

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(159, 196, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 196, 65) }
```

Border

The CSS property to change the border of an element to Yxy 47.2324, 0.3703, 0.4998 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(159, 196, 65) }
```

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

```
.border{ border-color:rgb(159, 196, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 196, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 196, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 196, 65);  
box-shadow:4px 4px 4px 4px rgb(159, 196,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2324, 0.3703, 0.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 196, 65) }
```

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

```
.background{ background-color: rgb(159,  
196, 65) }
```

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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