

Converting Colors

$Y_{xy}(47.8835, 0.3653, 0.5104)$

Have a look what the booklet for
Yxy(47.8835, 0.3653, 0.5104)
contains.

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Color

Yxy(47.9454, 0.3656, 0.5098)

Conversions

Conversions Part 1

Format	Color
Hex	99C73C
RGB	153, 199, 60
RGB Percent	60%, 78%, 24%
CMY	0.3998, 0.2196, 0.7647
CMYK	0.23, 0.00, 0.70, 0.22
HSL	80°, 55%, 51%
HSV	80°, 70%, 78%
XYZ	34.3838, 47.9454, 11.7183
YIQ	169.4000, 17.2030, -52.9810

Conversions

Conversions Part 2

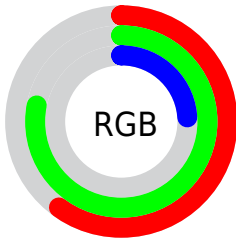
Format	Color
RYB	60, 199, 106
Decimal	10078012
CIELab	74.79, -35.07, 61.40
CIELCh	75, 70.713, 119.734
Yxy	47.9454, 0.3656, 0.5098
Android (android.graphics.Color)	4288268092 (0xFF99C73C)
YUV	169.4000, -53.9342, -14.3828
Hunter-Lab	69.2426, -32.5370, 38.4359

Details

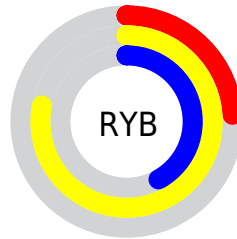
The Yxy color **47.9454, 0.3656, 0.5098** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **10.4175, 0.2142, 0.1249**, and the grayscale version is **40.1577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4594, 0.3608, 0.4768**, and **22.7922, 0.3632, 0.5498** is the 20% darker color. If you saturate the color by 10%, you get **47.1523, 0.3667, 0.5281**, and if you desaturate by 10%, it is **48.8571, 0.3620, 0.4874**.

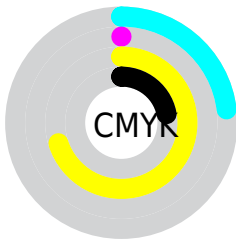
Distribution



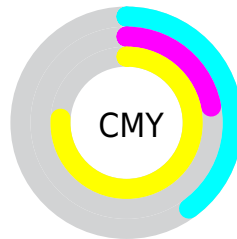
- Red (60%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (42%)



- Cyan (23%)
- Magenta (0%)
- Yellow (70%)
- Black (22%)




- Cyan (40%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9454, 0.3656, 0.5098 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 47.9454, 0.3656, 0.5098 by changing the saturation by 10% instead.

 47.9454, 0.3656,
0.5098


 47.9454, 0.3656,
0.5098


378.5757, 0.3461,
0.4181

 33.7837, 0.3674,
0.5315


 87.1231, 0.3607,
0.4770


 22.7274, 0.3676,
0.5579


 112.9078, 0.3582,
0.4645

 14.3924, 0.3644,
0.5900


 143.3357, 0.3557,
0.4538

 8.3941, 0.3602,
0.6398

 178.7911, 0.3535,
0.4446

 4.3481, 0.3278,
0.6722

 219.6584, 0.3514,
0.4367

 1.8701, 0.2724,
0.7276

266.3220, 0.3495,

 0.5303, 0.0000,

0.4297

1.0000

319.1663, 0.3478,
0.4236

0.0000, 0.0000,
0.0000

47.9454, 0.3656,
0.5098

47.9454, 0.3656,
0.5098

47.1523, 0.3667,
0.5281

48.8571, 0.3620,
0.4874

46.4615, 0.3654,
0.5415

49.8897, 0.3564,
0.4620

45.8570, 0.3620,
0.5507

51.0526, 0.3491,
0.4348

45.8478, 0.3620,
0.5508

52.3527, 0.3406,
0.4071

53.7963, 0.3314,
0.3797

■ 55.3892, 0.3220,
0.3533

■ 57.1368, 0.3126,
0.3286

■ 59.0443, 0.3034,
0.3058

■ 61.1164, 0.2947,
0.2848

Harmonies

Analogous

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



47.9454, 0.4469, 0.4690



47.9454, 0.3656, 0.5098



47.9454, 0.2756, 0.4824

Triad

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



47.9454, 0.3656, 0.5098



47.9454, 0.1539, 0.2156



47.9454, 0.4274, 0.2732

Complementary

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



47.9454, 0.3656, 0.5098



10.4175, 0.2142, 0.1249

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.



47.9454, 0.3276, 0.2231



47.9454, 0.3656, 0.5098



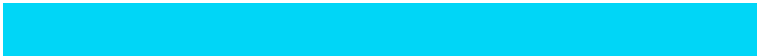
47.9454, 0.1796, 0.1894

Square

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



47.9454, 0.3656, 0.5098



47.9454, 0.1597, 0.2804



47.9454, 0.2379, 0.1935



47.9454, 0.4938, 0.3355

Rectangle

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



47.9454, 0.3656, 0.5098



47.9454, 0.2225, 0.4211



47.9454, 0.2379, 0.1935



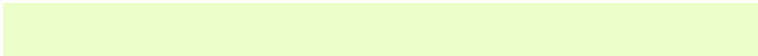
47.9454, 0.3955, 0.2547

Sweetspot

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



47.9475, 0.3656, 0.5098



93.8144, 0.3328, 0.3836



22.3729, 0.4991, 0.3809



19.9253, 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.



47.9475, 0.3656, 0.5098



81.8935, 0.3663, 0.5359



43.1244, 0.3151, 0.5429



12.2346, 0.3215, 0.3522



29.5329, 0.3627, 0.5502



1.4366, 0.3748, 0.5406

Inverse Universe

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



10.4175, 0.2142, 0.1249



12.2108, 0.1911, 0.0916



16.2992, 0.2892, 0.1611



10.4549, 0.3033, 0.3055



3.4342, 0.1750, 0.0738



0.2023, 0.1990, 0.0870

Previews

White Background



This preview shows how the Yxy color 47.9454, 0.3656, 0.5098 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 47.9454, 0.3656, 0.5098 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 47.9454, 0.3656, 0.5098

Background



This preview shows how black text looks on a background with the Yxy color 47.9454, 0.3656, 0.5098.



This preview shows how white text looks on a background with the Yxy color 47.9454, 0.3656, 0.5098.

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

47.9454, 0.3656, 0.5098

Protanopia

47.6883, 0.4260, 0.4691

Deuteranopia

47.3598, 0.4489, 0.4381



Tritanopia

47.7699, 0.2880, 0.3095

Trichromacy



Original Color

47.9454, 0.3656, 0.5098

Protanomaly

47.2554, 0.4040, 0.4842

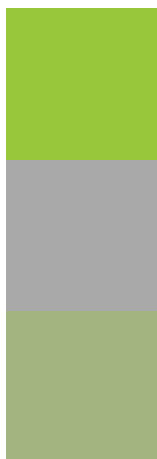
Deuteranomaly

46.6778, 0.4174, 0.4638

Tritanomaly

47.2501, 0.3206, 0.3860

Monochromacy



Original Color

47.9454, 0.3656, 0.5098

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.0140, 0.3389, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9454, 0.3656, 0.5098 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(153, 199, 60)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 60)  
}
```

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(153, 199, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 60) }
```

Border

The CSS property to change the border of an element to Yxy 47.9454, 0.3656, 0.5098 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(153, 199, 60) }
```

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

```
.border{ border-color:rgb(153, 199, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 199, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 60);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9454, 0.3656, 0.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 60) }
```

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

```
.background{ background-color: rgb(153,  
199, 60) }
```

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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