

Converting Colors

Yxy(47.6568, 0.3651, 0.5044)

Have a look what the booklet for
Yxy(47.6568, 0.3651, 0.5044)
contains.

Yxy(47.6398, 0.3648, 0.5042)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6398, 0.3648, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	9AC641
RGB	154, 198, 65
RGB Percent	60%, 78%, 25%
CMY	0.3962, 0.2235, 0.7451
CMYK	0.22, 0.00, 0.67, 0.22
HSL	80°, 54%, 52%
HSV	80°, 67%, 78%
XYZ	34.4685, 47.6398, 12.3777
YIQ	169.6820, 16.4690, -50.6910

Conversions

Conversions Part 2

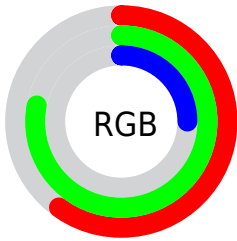
Format	Color
RYB	65, 198, 109
Decimal	10143297
CIELab	74.60, -33.95, 59.32
CIELCh	75, 68.344, 119.782
Yxy	47.6398, 0.3648, 0.5042
Android (android.graphics.Color)	4288333377 (0xFF9AC641)
YUV	169.6820, -51.6082, -13.7531
Hunter-Lab	69.0216, -31.6473, 37.6826

Details

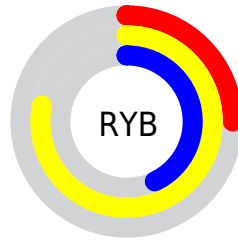
The Yxy color **47.6398, 0.3648, 0.5042** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **11.1115, 0.2187, 0.1321**, and the grayscale version is **40.2841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7249, 0.3592, 0.4719**, and **22.5992, 0.3662, 0.5474** is the 20% darker color. If you saturate the color by 10%, you get **46.8255, 0.3666, 0.5237**, and if you desaturate by 10%, it is **48.5739, 0.3607, 0.4809**.

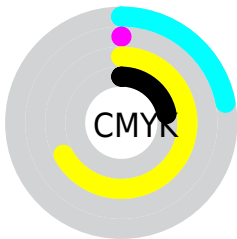
Distribution



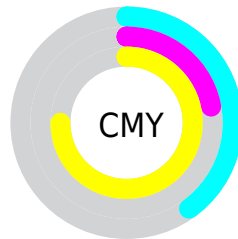
- Red (60%)
- Green (78%)
- Blue (25%)



- Red (25%)
- Yellow (78%)
- Blue (43%)



- Cyan (22%)
- Magenta (0%)
- Yellow (67%)
- Black (22%)





- Cyan (40%)
- Magenta (22%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6398, 0.3648, 0.5042 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 47.6398, 0.3648, 0.5042 by changing the saturation by 10% instead.


 47.6398, 0.3648,
0.5042


 47.6398, 0.3648,
0.5042


377.3626, 0.3451,
0.4151


 33.5417, 0.3669,
0.5254


 86.6679, 0.3596,
0.4722

 22.5418, 0.3676,
0.5515


 112.3666, 0.3571,
0.4600

 14.2555, 0.3652,
0.5835


 142.7011, 0.3547,
0.4497

 8.2986, 0.3633,
0.6349

 178.0557, 0.3524,
0.4408

 4.2866, 0.3323,
0.6677

 218.8147, 0.3504,
0.4331

 1.8351, 0.2782,
0.7218

265.3626, 0.3485,

 0.5089, 0.0000,

0.4263

1.0000

318.0838, 0.3467,
0.4204

■ 0.0000, 0.0000,
0.0000

■ 47.6398, 0.3648,
0.5042

■ 47.6398, 0.3648,
0.5042

■ 46.8255, 0.3666,
0.5237

■ 48.5739, 0.3607,
0.4809

■ 46.1152, 0.3659,
0.5385

■ 49.6296, 0.3545,
0.4549

■ 45.4984, 0.3629,
0.5484

■ 50.8162, 0.3468,
0.4274

■ 45.3351, 0.3619,
0.5509

■ 52.1402, 0.3381,
0.3997

■ 53.6077, 0.3289,
0.3725

■ 55.2244, 0.3194,
0.3466

■ 56.9955, 0.3101,
0.3223

■ 58.9261, 0.3011,
0.3000

■ 61.0209, 0.2925,
0.2796

Harmonies

Analogous

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



47.6398, 0.4438, 0.4660



47.6398, 0.3648, 0.5042



47.6398, 0.2771, 0.4768

Triad

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



47.6398, 0.3648, 0.5042



47.6398, 0.1577, 0.2188



47.6398, 0.4240, 0.2750

Complementary

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



47.6398, 0.3648, 0.5042



11.1115, 0.2187, 0.1321

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.



47.6398, 0.3275, 0.2258



47.6398, 0.3648, 0.5042



47.6398, 0.1830, 0.1929

Square

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



47.6398, 0.3648, 0.5042



47.6398, 0.1636, 0.2822



47.6398, 0.2402, 0.1968



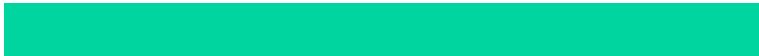
47.6398, 0.4883, 0.3362

Rectangle

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



47.6398, 0.3648, 0.5042



47.6398, 0.2252, 0.4178



47.6398, 0.2402, 0.1968



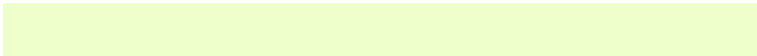
47.6398, 0.3932, 0.2568

Sweetspot

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



47.6419, 0.3648, 0.5042



94.0757, 0.3318, 0.3809



22.9285, 0.4894, 0.3802



19.9767, 0.3345, 0.3886



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.



47.6419, 0.3648, 0.5042



82.2507, 0.3665, 0.5317



42.9186, 0.3156, 0.5353



12.2343, 0.3215, 0.3522



29.5262, 0.3626, 0.5503



1.4364, 0.3747, 0.5406

Inverse Universe

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



11.1115, 0.2187, 0.1321



13.1429, 0.1954, 0.0971



16.8132, 0.2905, 0.1658



10.4552, 0.3033, 0.3055



3.4372, 0.1751, 0.0738



0.2024, 0.1991, 0.0871

Previews

White Background



This preview shows how the Yxy color 47.6398, 0.3648, 0.5042 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 47.6398, 0.3648, 0.5042 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 47.6398, 0.3648, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 47.6398, 0.3648, 0.5042.



This preview shows how white text looks on a background with the Yxy color 47.6398, 0.3648, 0.5042.

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

47.6398, 0.3648, 0.5042

Protanopia

47.1830, 0.4236, 0.4653

Deuteranopia

47.2471, 0.4457, 0.4356



Tritanopia

47.4141, 0.2895, 0.3094

Trichromacy



Original Color

47.6398, 0.3648, 0.5042

Protanomaly

46.7533, 0.4016, 0.4801

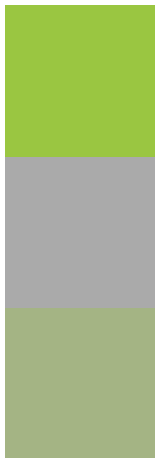
Deuteranomaly

46.7267, 0.4153, 0.4606

Tritanomaly

46.9538, 0.3208, 0.3832

Monochromacy



Original Color

47.6398, 0.3648, 0.5042

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.2010, 0.3374, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6398, 0.3648, 0.5042 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(154, 198, 65)` looks like.

```
.text, #text, p{  
    color:rgb(154, 198, 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(154, 198, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 198, 65) }
```

Border

The CSS property to change the border of an element to Yxy 47.6398, 0.3648, 0.5042 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(154, 198, 65) }
```

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

```
.border{ border-color:rgb(154, 198, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 198, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 198, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 198, 65);  
box-shadow:4px 4px 4px 4px rgb(154, 198,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6398, 0.3648, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 198, 65) }
```

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

```
.background{ background-color: rgb(154,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor