

Converting Colors

$Yxy(49.3447, 0.3450, 0.4651)$

Have a look what the booklet for
Yxy(49.3447, 0.3450, 0.4651)
contains.

Yxy(49.2364, 0.3452, 0.4647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.2364, 0.3452, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	9BC866
RGB	155, 200, 102
RGB Percent	61%, 78%, 40%
CMY	0.3920, 0.2157, 0.6001
CMYK	0.22, 0.00, 0.49, 0.22
HSL	88°, 47%, 59%
HSV	88°, 49%, 78%
XYZ	36.5750, 49.2364, 20.1417
YIQ	175.3730, 4.6380, -40.0180

Conversions

Conversions Part 2

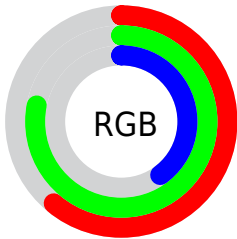
Format	Color
RYB	102, 200, 147
Decimal	10209382
CIELab	75.60, -31.14, 43.97
CIELCh	76, 53.881, 125.306
Yxy	49.2364, 0.3452, 0.4647
Android (android.graphics.Color)	4288399462 (0xFF9BC866)
YUV	175.3730, -36.1729, -17.8671
Hunter-Lab	70.1687, -29.7530, 32.0991

Details

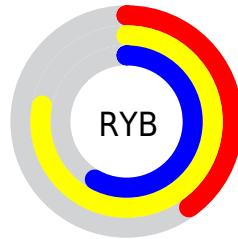
The Yxy color **49.2364, 0.3452, 0.4647** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.8676, 0.2612, 0.1908**, and the grayscale version is **43.2665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7354, 0.3417, 0.4373**, and **23.5635, 0.3483, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **48.0147, 0.3489, 0.4926**, and if you desaturate by 10%, it is **50.6271, 0.3400, 0.4355**.

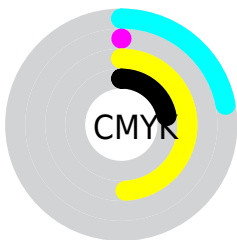
Distribution



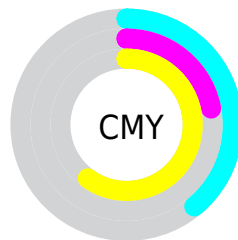
- Red (61%)
- Green (78%)
- Blue (40%)



- Red (40%)
- Yellow (78%)
- Blue (58%)



- Cyan (22%)
- Magenta (0%)
- Yellow (49%)
- Black (22%)





- Cyan (39%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2364, 0.3452, 0.4647 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 49.2364, 0.3452, 0.4647 by changing the saturation by 10% instead.


 49.2364, 0.3452,
0.4647


 49.2364, 0.3452,
0.4647


383.6722, 0.3322,
0.3948

 34.8070, 0.3471,
0.4823


 89.0425, 0.3414,
0.4391


 23.5143, 0.3487,
0.5047


 115.1880, 0.3397,
0.4295

 14.9737, 0.3491,
0.5340


 146.0076, 0.3381,
0.4214

 8.8009, 0.3464,
0.5729

 181.8858, 0.3367,
0.4145

 4.6116, 0.3485,
0.6499

223.2070, 0.3354,
0.4086

 2.0212, 0.3037,
0.6963

270.3555, 0.3342,

 0.6198, 0.0000,

0.4034

1.0000

323.7158, 0.3332,
0.3988

■ 0.0000, 0.0000,
0.0000

■ 49.2364, 0.3452,
0.4647

■ 49.2364, 0.3452,
0.4647

■ 48.0147, 0.3489,
0.4926

■ 50.6271, 0.3400,
0.4355

■ 46.9471, 0.3506,
0.5177

■ 52.1880, 0.3336,
0.4063

■ 46.0261, 0.3500,
0.5388


■ 53.9286, 0.3266,
0.3780


■ 45.2407, 0.3472,
0.5547


■ 55.8556, 0.3193,
0.3513

■ 44.5735, 0.3425,
0.5656


■ 57.9754, 0.3120,
0.3266

 44.5115, 0.3420,
0.5666

 60.2938, 0.3048,
0.3041

 62.8166, 0.2979,
0.2837

 65.0914, 0.2959,
0.2719

 66.6356, 0.3025,
0.2730

Harmonies

Analogous

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



49.2364, 0.4106, 0.4488



49.2364, 0.3452, 0.4647



49.2364, 0.2748, 0.4300

Triad

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



49.2364, 0.3452, 0.4647



49.2364, 0.1878, 0.2356



49.2364, 0.4119, 0.2957

Complementary

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



49.2364, 0.3452, 0.4647



19.8676, 0.2612, 0.1908

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.



49.2364, 0.3397, 0.2517



49.2364, 0.3452, 0.4647



49.2364, 0.2143, 0.2172

Square

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



49.2364, 0.3452, 0.4647



49.2364, 0.1887, 0.2829



49.2364, 0.2671, 0.2238



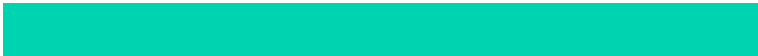
49.2364, 0.4549, 0.3487

Rectangle

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



49.2364, 0.3452, 0.4647



49.2364, 0.2346, 0.3827



49.2364, 0.2671, 0.2238



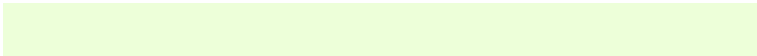
49.2364, 0.3897, 0.2796

Sweetspot

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



49.2386, 0.3452, 0.4647



94.5997, 0.3239, 0.3677



33.8236, 0.4172, 0.3865



20.0989, 0.3255, 0.3735



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.



49.2386, 0.3452, 0.4647



82.9685, 0.3491, 0.4948



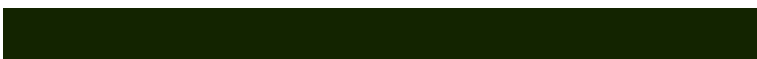
45.3848, 0.3087, 0.4814



12.1659, 0.3196, 0.3523



28.3569, 0.3430, 0.5658



1.3854, 0.3584, 0.5536

Inverse Universe

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



19.8676, 0.2612, 0.1908



26.1800, 0.2462, 0.1595



25.2847, 0.3128, 0.2098



10.5218, 0.3053, 0.3056



4.1417, 0.1955, 0.0850



0.2390, 0.2192, 0.0981

Previews

White Background



This preview shows how the Yxy color 49.2364, 0.3452, 0.4647 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 49.2364, 0.3452, 0.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

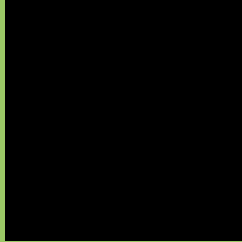
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2364, 0.3452, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 49.2364, 0.3452, 0.4647.



This preview shows how white text looks on a background with the Yxy color 49.2364, 0.3452, 0.4647.

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

49.2364, 0.3452, 0.4647

Protanopia

48.9600, 0.4000, 0.4362

Deuteranopia

48.6957, 0.4168, 0.4077



Tritanopia

49.1898, 0.2861, 0.3096

Trichromacy



Original Color

49.2364, 0.3452, 0.4647

Protanomaly

48.7273, 0.3791, 0.4465

Deuteranomaly

48.0179, 0.3895, 0.4273

Tritanomaly

48.8225, 0.3087, 0.3644

Monochromacy



Original Color

49.2364, 0.3452, 0.4647

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.7439, 0.3274, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2364, 0.3452, 0.4647 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, 200, 102)` looks like.

```
.text, #text, p{  
    color:rgb(155, 200, 102)  
}
```

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, 200, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 200, 102) }
```

Border

The CSS property to change the border of an element to Yxy 49.2364, 0.3452, 0.4647 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, 200, 102) }
```

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

```
.border{ border-color:rgb(155, 200, 102) }
```

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

Here you see how a box with a 4 pixel rgb(155, 200, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 200, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 200, 102);  
box-shadow:4px 4px 4px 4px rgb(155, 200,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2364, 0.3452, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 200, 102) }
```

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

```
.background{ background-color: rgb(155,  
200, 102) }
```

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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