

Converting Colors

$Yxy(48.5614, 0.3483, 0.4716)$

Have a look what the booklet for
Yxy(48.5614, 0.3483, 0.4716)
contains.

Yxy(48.5614, 0.3483, 0.4716)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.5614, 0.3483, 0.4716)

Conversions

Conversions Part 1

Format	Color
Hex	9AC760
RGB	154, 199, 96
RGB Percent	60%, 78%, 38%
CMY	0.3960, 0.2196, 0.6236
CMYK	0.23, 0.00, 0.52, 0.22
HSL	86°, 48%, 58%
HSV	86°, 52%, 78%
XYZ	35.8650, 48.5614, 18.5452
YIQ	173.8030, 6.2430, -41.5730

Conversions

Conversions Part 2

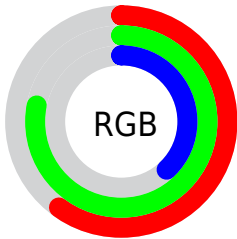
Format	Color
RYB	96, 199, 141
Decimal	10143584
CIELab	75.18, -31.70, 46.34
CIELCh	75, 56.143, 124.372
Yxy	48.5614, 0.3483, 0.4716
Android (android.graphics.Color)	4288333664 (0xFF9AC760)
YUV	173.8030, -38.3569, -17.3672
Hunter-Lab	69.6860, -30.0827, 33.0017

Details

The Yxy color **48.5614, 0.3483, 0.4716** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **18.1451, 0.2552, 0.1818**, and the grayscale version is **42.4225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3916, 0.3442, 0.4439**, and **23.1496, 0.3514, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **47.4203, 0.3518, 0.4985**, and if you desaturate by 10%, it is **49.8613, 0.3431, 0.4430**.

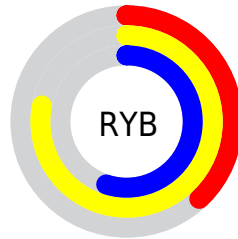
Distribution



Red (60%)

Green (78%)

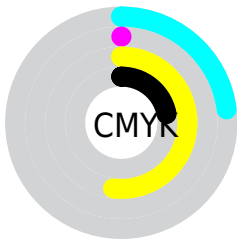
Blue (38%)



Red (38%)

Yellow (78%)

Blue (55%)

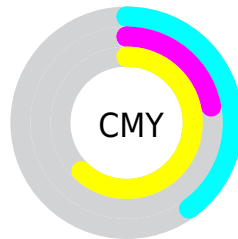


Cyan (23%)

Magenta (0%)

Yellow (52%)

Black (22%)



Cyan (40%)


Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5614, 0.3483, 0.4716 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 48.5614, 0.3483, 0.4716 by changing the saturation by 10% instead.


 48.5614, 0.3483,
0.4716


 48.5614, 0.3483,
0.4716


381.0131, 0.3342,
0.3981


 34.2717, 0.3503,
0.4900


 88.0397, 0.3442,
0.4447


 23.1024, 0.3518,
0.5134


 113.9970, 0.3424,
0.4346

 14.6691, 0.3519,
0.5437


 144.6124, 0.3407,
0.4261

 8.5875, 0.3483,
0.5836

 180.2702, 0.3391,
0.4189

 4.4731, 0.3450,
0.6550

221.3547, 0.3377,
0.4126

 1.9416, 0.2978,
0.7022

268.2505, 0.3364,

 0.5732, 0.0000,

0.4071

1.0000

321.3418, 0.3352,
0.4023

■ 0.0000, 0.0000,
0.0000

■ 48.5614, 0.3483,
0.4716

■ 48.5614, 0.3483,
0.4716

■ 47.4203, 0.3518,
0.4985

■ 49.8613, 0.3431,
0.4430

■ 46.4230, 0.3532,
0.5222

■ 51.3211, 0.3366,
0.4140

■ 45.5623, 0.3524,
0.5416

■ 52.9501, 0.3294,
0.3855

■ 44.8269, 0.3492,
0.5557

■ 54.7548, 0.3218,
0.3585

■ 44.2996, 0.3453,
0.5640

■ 56.7414, 0.3141,
0.3332

■ 58.9157, 0.3065,
0.3101

■ 61.2833, 0.2992,
0.2890

■ 63.8376, 0.2924,
0.2703

■ 65.2573, 0.2986,
0.2713

Harmonies

Analogous

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



48.5614, 0.4161, 0.4524



48.5614, 0.3483, 0.4716



48.5614, 0.2748, 0.4373

Triad

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



48.5614, 0.3483, 0.4716



48.5614, 0.1825, 0.2325



48.5614, 0.4145, 0.2924

Complementary

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



48.5614, 0.3483, 0.4716



18.1451, 0.2552, 0.1818

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.



48.5614, 0.3382, 0.2474



48.5614, 0.3483, 0.4716



48.5614, 0.2090, 0.2129

Square

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



48.5614, 0.3483, 0.4716



48.5614, 0.1842, 0.2824



48.5614, 0.2629, 0.2192



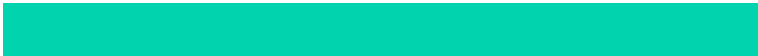
48.5614, 0.4608, 0.3470

Rectangle

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



48.5614, 0.3483, 0.4716



48.5614, 0.2327, 0.3878



48.5614, 0.2629, 0.2192



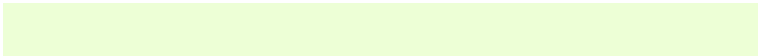
48.5614, 0.3908, 0.2760

Sweetspot

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



48.5635, 0.3483, 0.4716



94.4225, 0.3252, 0.3704



31.9254, 0.4262, 0.3873



20.0698, 0.3268, 0.3760



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.



48.5635, 0.3483, 0.4716



82.8186, 0.3521, 0.5014



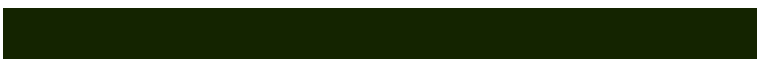
44.5653, 0.3094, 0.4905



12.1777, 0.3199, 0.3523



28.5387, 0.3462, 0.5633



1.3936, 0.3611, 0.5514

Inverse Universe

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



18.1451, 0.2552, 0.1818



23.8485, 0.2390, 0.1499



23.7101, 0.3108, 0.2032



10.5101, 0.3050, 0.3056



4.0002, 0.1915, 0.0829



0.2321, 0.2155, 0.0961

Previews

White Background



This preview shows how the Yxy color 48.5614, 0.3483, 0.4716 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 48.5614, 0.3483, 0.4716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

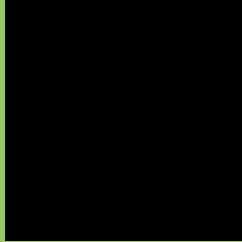
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5614, 0.3483, 0.4716

Background



This preview shows how black text looks on a background with the Yxy color 48.5614, 0.3483, 0.4716.



This preview shows how white text looks on a background with the Yxy color 48.5614, 0.3483, 0.4716.

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

48.5614, 0.3483, 0.4716

Protanopia

48.2906, 0.4038, 0.4417

Deuteranopia

48.0175, 0.4213, 0.4131



Tritanopia

48.1297, 0.2866, 0.3095

Trichromacy



Original Color

48.5614, 0.3483, 0.4716

Protanomaly

48.0563, 0.3827, 0.4526

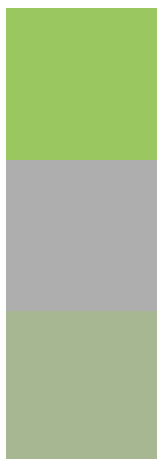
Deuteranomaly

47.3432, 0.3935, 0.4333

Tritanomaly

47.6925, 0.3109, 0.3675

Monochromacy



Original Color

48.5614, 0.3483, 0.4716

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.1578, 0.3283, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5614, 0.3483, 0.4716 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, 199, 96)` looks like.

```
.text, #text, p{  
    color:rgb(154, 199, 96)  
}
```

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, 199, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 199, 96) }
```

Border

The CSS property to change the border of an element to Yxy 48.5614, 0.3483, 0.4716 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, 199, 96) }
```

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

```
.border{ border-color:rgb(154, 199, 96) }
```

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

Here you see how a box with a 4 pixel rgb(154, 199, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 199, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 199, 96);  
box-shadow:4px 4px 4px 4px rgb(154, 199,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5614, 0.3483, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 199, 96) }
```

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

```
.background{ background-color: rgb(154,  
199, 96) }
```

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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