

Converting Colors

$Yxy(48.4479, 0.3483, 0.4454)$

Have a look what the booklet for
Yxy(48.4479, 0.3483, 0.4454)
contains.

Yxy(48.5201, 0.3484, 0.4458)	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(48.5201, 0.3484, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	A4C46F
RGB	164, 196, 111
RGB Percent	64%, 77%, 44%
CMY	0.3568, 0.2314, 0.5648
CMYK	0.16, 0.00, 0.43, 0.23
HSL	83°, 42%, 60%
HSV	83°, 43%, 77%
XYZ	37.9193, 48.5201, 22.3989
YIQ	176.7420, 8.2130, -33.2190

Conversions

Conversions Part 2

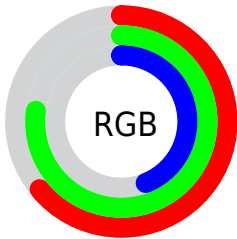
Format	Color
RYB	111, 196, 143
Decimal	10798191
CIELab	75.15, -24.81, 39.09
CIElCh	75, 46.304, 122.405
Yxy	48.5201, 0.3484, 0.4458
Android (android.graphics.Color)	4288988271 (0xFFA4C46F)
YUV	176.7420, -32.4108, -11.1747
Hunter-Lab	69.6564, -24.7275, 29.6940

Details

The Yxy color $48.5201, 0.3484, 0.4458$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $21.1873, 0.2617, 0.2056$, and the grayscale version is $43.9947, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.1465, 0.3432, 0.4241$, and $23.0624, 0.3549, 0.4795$ is the 20% darker color. If you saturate the color by 10%, you get $47.3747, 0.3544, 0.4732$, and if you desaturate by 10%, it is $49.8100, 0.3411, 0.4176$.

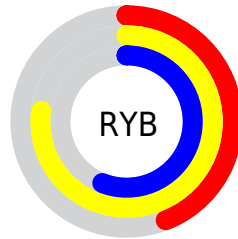
Distribution



Red (64%)

Green (77%)

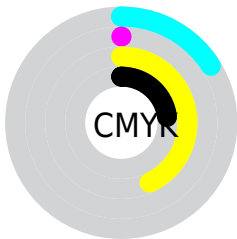
Blue (44%)



Red (44%)

Yellow (77%)

Blue (56%)

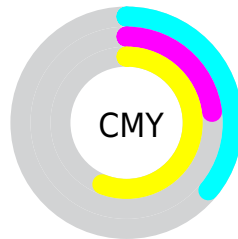


Cyan (16%)

Magenta (0%)

Yellow (43%)

Black (23%)



Cyan (36%)


Magenta (23%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5201, 0.3484, 0.4458 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 48.5201, 0.3484, 0.4458 by changing the saturation by 10% instead.

 48.5201, 0.3484,
0.4458

 48.5201, 0.3484,
0.4458


380.8500, 0.3329,
0.3858


 34.2389, 0.3513,
0.4609


 87.9783, 0.3434,
0.4238


 23.0772, 0.3544,
0.4802


 113.9241, 0.3413,
0.4156

 14.6505, 0.3572,
0.5056


 144.5269, 0.3395,
0.4087

 8.5745, 0.3587,
0.5399

 180.1711, 0.3379,
0.4028

 4.4647, 0.3618,
0.5982

221.2412, 0.3364,
0.3977

 1.9368, 0.3399,
0.6601

268.1214, 0.3351,

 0.5703, 0.0000,

0.3932

1.0000

321.1962, 0.3339,
0.3893

0.0000, 0.0000,
0.0000

48.5201, 0.3484,
0.4458

48.5201, 0.3484,
0.4458

47.3747, 0.3544,
0.4732

49.8100, 0.3411,
0.4176

46.3603, 0.3586,
0.4986

51.2445, 0.3329,
0.3895

45.4714, 0.3606,
0.5205

52.8317, 0.3243,
0.3626

44.6990, 0.3602,
0.5380

54.5771, 0.3156,
0.3372


44.0326, 0.3574,
0.5505


56.4860, 0.3071,
0.3137

 43.6372, 0.3546,
0.5566

 58.5634, 0.2989,
0.2922

 60.8142, 0.2911,
0.2727

 62.3919, 0.2920,
0.2670

 63.5893, 0.2973,
0.2680

Harmonies

Analogous

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



48.5201, 0.4038, 0.4312



48.5201, 0.3484, 0.4458



48.5201, 0.2864, 0.4195

Triad

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



48.5201, 0.3484, 0.4458



48.5201, 0.2014, 0.2508



48.5201, 0.3931, 0.2962

Complementary

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



48.5201, 0.3484, 0.4458



21.1873, 0.2617, 0.2056

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.



48.5201, 0.3301, 0.2578



48.5201, 0.3484, 0.4458



48.5201, 0.2230, 0.2312

Square

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



48.5201, 0.3484, 0.4458



48.5201, 0.2051, 0.2955



48.5201, 0.2680, 0.2346



48.5201, 0.4336, 0.3432

Rectangle

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



48.5201, 0.3484, 0.4458



48.5201, 0.2498, 0.3815



48.5201, 0.2680, 0.2346



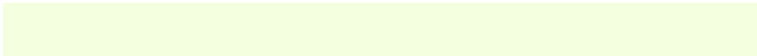
48.5201, 0.3735, 0.2821

Sweetspot

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



48.5222, 0.3484, 0.4458



95.7562, 0.3242, 0.3621



32.2756, 0.4061, 0.3710



20.3523, 0.3261, 0.3680



0.0000, 0.0000, 0.0000



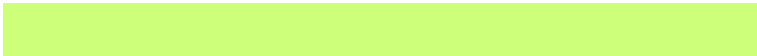
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5222, 0.3484, 0.4458



85.9287, 0.3541, 0.4717



44.7895, 0.3146, 0.4592



11.5629, 0.3208, 0.3521



28.0881, 0.3555, 0.5559



1.2520, 0.3699, 0.5445

Inverse Universe

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



21.1873, 0.2617, 0.2056



30.0420, 0.2473, 0.1763



25.6229, 0.3054, 0.2199



9.9285, 0.3041, 0.3056



3.5357, 0.1817, 0.0775



0.1923, 0.2080, 0.0919

Previews

White Background



This preview shows how the Yxy color 48.5201, 0.3484, 0.4458 looks on a white background.

Color Contrast Check

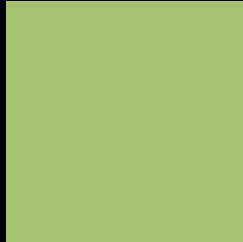
Large Text (above 18pt) WCAG AA × Fail

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 48.5201, 0.3484, 0.4458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

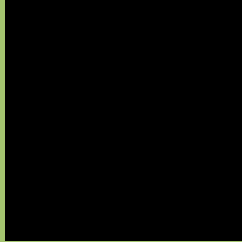
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5201, 0.3484, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 48.5201, 0.3484, 0.4458.



This preview shows how white text looks on a background with the Yxy color 48.5201, 0.3484, 0.4458.

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

48.5201, 0.3484, 0.4458

Protanopia

48.3160, 0.3906, 0.4254

Deuteranopia

47.9996, 0.4082, 0.3990



Tritanopia

48.5180, 0.2942, 0.3110

Trichromacy



Original Color

48.5201, 0.3484, 0.4458

Protanomaly

48.1693, 0.3748, 0.4336

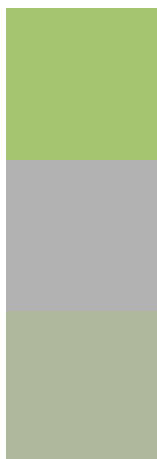
Deuteranomaly

47.6384, 0.3863, 0.4152

Tritanomaly

48.4247, 0.3146, 0.3585

Monochromacy



Original Color

48.5201, 0.3484, 0.4458

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.3515, 0.3270, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5201, 0.3484, 0.4458 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(164, 196, 111)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 111)  
}
```

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(164, 196, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 111) }
```

Border

The CSS property to change the border of an element to Yxy 48.5201, 0.3484, 0.4458 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(164, 196, 111) }
```

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

```
.border{ border-color:rgb(164, 196, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 196, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 196, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 196, 111);  
box-shadow:4px 4px 4px 4px rgb(164, 196,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5201, 0.3484, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 196, 111) }
```

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

```
.background{ background-color: rgb(164,  
196, 111) }
```

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