

Converting Colors

$Yxy(42.6117, 0.3490, 0.4028)$

Have a look what the booklet for
Yxy(42.6117, 0.3490, 0.4028)
contains.

Yxy(42.5432, 0.3492, 0.4019)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5432, 0.3492, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	ACB37F
RGB	172, 179, 127
RGB Percent	67%, 70%, 50%
CMY	0.3255, 0.2980, 0.5019
CMYK	0.04, 0.00, 0.29, 0.30
HSL	68°, 25%, 60%
HSV	68°, 29%, 70%
XYZ	36.9646, 42.5432, 26.3474
YIQ	170.9790, 12.5200, -17.6560

Conversions

Conversions Part 2

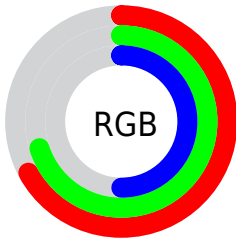
Format	Color
RYB	127, 179, 134
Decimal	11318143
CIELab	71.24, -11.08, 25.79
CIElCh	71, 28.072, 113.258
Yxy	42.5432, 0.3492, 0.4019
Android (android.graphics.Color)	4289508223 (0xFFACB37F)
YUV	170.9790, -21.6816, 0.8954
Hunter-Lab	65.2251, -12.9838, 21.7077

Details

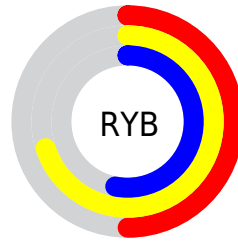
The Yxy color **42.5432, 0.3492, 0.4019** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.5082, 0.2693, 0.2477**, and the grayscale version is **40.8212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2059, 0.3430, 0.3884**, and **19.3795, 0.3592, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **41.8485, 0.3612, 0.4273**, and if you desaturate by 10%, it is **43.3296, 0.3366, 0.3762**.

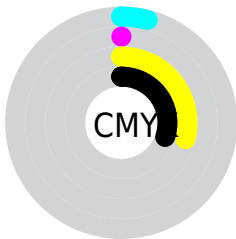
Distribution



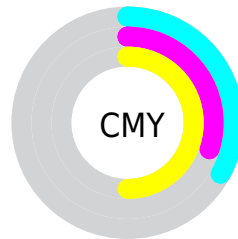
- Red (67%)
- Green (70%)
- Blue (50%)



- Red (50%)
- Yellow (70%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)




- Cyan (33%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5432, 0.3492, 0.4019 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 42.5432, 0.3492, 0.4019 by changing the saturation by 10% instead.


 42.5432, 0.3492,
0.4019


 42.5432, 0.3492,
0.4019


356.7298, 0.3313,
0.3642

 29.5269, 0.3534,
0.4116


 79.0211, 0.3429,
0.3880

 19.4797, 0.3587,
0.4242


 103.2514, 0.3404,
0.3828

 12.0174, 0.3653,
0.4411


 131.9885, 0.3384,
0.3785

 6.7556, 0.3736,
0.4649

165.6168, 0.3366,
0.3748

 3.3097, 0.3842,
0.5011

204.5207, 0.3350,
0.3716

 1.2955, 0.4138,
0.5862

249.0846, 0.3336,

 0.1377, 0.0000,

0.3688

1.0000

299.6928, 0.3324,
0.3664

0.0000, 0.0000,
0.0000

42.5432, 0.3492,
0.4019

42.5432, 0.3492,
0.4019

41.8485, 0.3612,
0.4273

43.3296, 0.3366,
0.3762

41.2354, 0.3721,
0.4514

44.2060, 0.3240,
0.3510

40.7009, 0.3815,
0.4733

45.1783, 0.3115,
0.3267

40.2397, 0.3887,
0.4920

46.2499, 0.2996,
0.3039

39.8458, 0.3935,
0.5066

47.4244, 0.2884,
0.2828

■ 39.5120, 0.3958,
0.5169

■ 48.7049, 0.2779,
0.2633

■ 39.2253, 0.3958,
0.5233

■ 50.0945, 0.2682,
0.2456

■ 39.1987, 0.3958,
0.5239

■ 50.5767, 0.2683,
0.2435

■ 50.8927, 0.2700,
0.2439

Harmonies

Analogous

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



42.5432, 0.3805, 0.3900



42.5432, 0.3492, 0.4019



42.5432, 0.3094, 0.3917

Triad

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



42.5432, 0.3492, 0.4019



42.5432, 0.2380, 0.2871



42.5432, 0.3527, 0.2994

Complementary

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



42.5432, 0.3492, 0.4019



23.5082, 0.2693, 0.2477

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.



42.5432, 0.3119, 0.2757



42.5432, 0.3492, 0.4019



42.5432, 0.2476, 0.2674

Square

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



42.5432, 0.3492, 0.4019



42.5432, 0.2465, 0.3210



42.5432, 0.2738, 0.2640



42.5432, 0.3834, 0.3306

Rectangle

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



42.5432, 0.3492, 0.4019



42.5432, 0.2835, 0.3727



42.5432, 0.2738, 0.2640



42.5432, 0.3396, 0.2904

Sweetspot

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



42.5451, 0.3492, 0.4019



79.1496, 0.3241, 0.3512



28.1530, 0.3729, 0.3393



17.4832, 0.3259, 0.3548



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.5451, 0.3492, 0.4019



75.3590, 0.3572, 0.4186



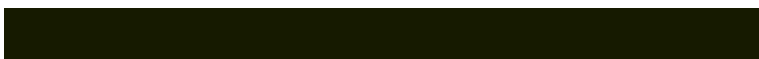
39.8929, 0.3253, 0.4078



9.8475, 0.3243, 0.3516



27.7188, 0.3961, 0.5237



0.8881, 0.4030, 0.5182

Inverse Universe

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



23.5082, 0.2693, 0.2477



35.5665, 0.2575, 0.2263



25.9057, 0.2957, 0.2535



8.2832, 0.3005, 0.3056



2.4552, 0.1560, 0.0633



0.0945, 0.1759, 0.0743

Previews

White Background



This preview shows how the Yxy color 42.5432, 0.3492, 0.4019 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 42.5432, 0.3492, 0.4019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

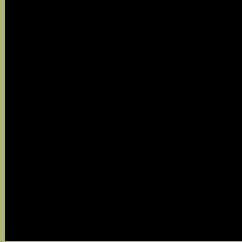
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

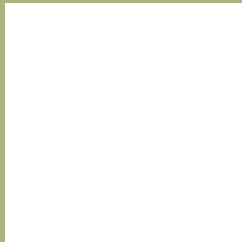
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5432, 0.3492, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 42.5432, 0.3492, 0.4019.



This preview shows how white text looks on a background with the Yxy color 42.5432, 0.3492, 0.4019.

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

42.5432, 0.3492, 0.4019

Protanopia

42.4441, 0.3681, 0.3947

Deuteranopia

42.3710, 0.3843, 0.3760



Tritanopia

42.7111, 0.3091, 0.3119

Trichromacy



Original Color

42.5432, 0.3492, 0.4019

Protanomaly

42.5021, 0.3606, 0.3972

Deuteranomaly

42.1801, 0.3716, 0.3845

Tritanomaly

42.6874, 0.3236, 0.3440

Monochromacy



Original Color

42.5432, 0.3492, 0.4019

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2966, 0.3259, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5432, 0.3492, 0.4019 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(172, 179, 127)` looks like.

```
.text, #text, p{  
    color:rgb(172, 179, 127)  
}
```

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(172, 179, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 179, 127) }
```

Border

The CSS property to change the border of an element to Yxy 42.5432, 0.3492, 0.4019 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(172, 179, 127) }
```

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

```
.border{ border-color:rgb(172, 179, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 179, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 179, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 179, 127);  
box-shadow:4px 4px 4px 4px rgb(172, 179,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5432, 0.3492, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 179, 127) }
```

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

```
.background{ background-color: rgb(172,  
179, 127) }
```

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