

Converting Colors

$Yxy(33.3470, 0.3493, 0.4085)$

Have a look what the booklet for
Yxy(33.3470, 0.3493, 0.4085)
contains.

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Color

Yxy(33.2909, 0.3499, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	98A16E
RGB	152, 161, 110
RGB Percent	60%, 63%, 43%
CMY	0.4039, 0.3686, 0.5686
CMYK	0.06, 0.00, 0.32, 0.37
HSL	71°, 21%, 53%
HSV	71°, 32%, 63%
XYZ	28.5083, 33.2909, 19.6763
YIQ	152.4950, 11.0070, -17.7690

Conversions

Conversions Part 2

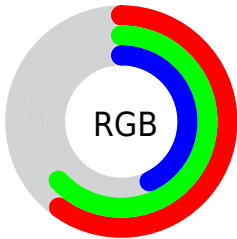
Format	Color
RYB	110, 161, 119
Decimal	10002798
CIELab	64.40, -11.84, 25.54
CIELCh	64, 28.151, 114.871
Yxy	33.2909, 0.3499, 0.4086
Android (android.graphics.Color)	4288192878 (0xFF98A16E)
YUV	152.4950, -20.9500, -0.4341
Hunter-Lab	57.6983, -12.7764, 20.1696

Details

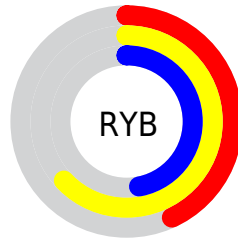
The Yxy color **33.2909, 0.3499, 0.4086** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.6492, 0.2674, 0.2406**, and the grayscale version is **31.7142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9858, 0.3432, 0.3926**, and **14.2090, 0.3590, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **32.7019, 0.3609, 0.4341**, and if you desaturate by 10%, it is **33.9532, 0.3383, 0.3828**.

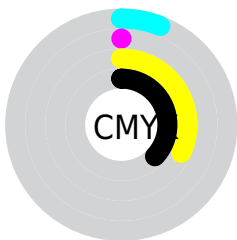
Distribution



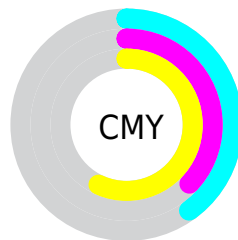
- Red (60%)
- Green (63%)
- Blue (43%)



- Red (43%)
- Yellow (63%)
- Blue (47%)



- Cyan (6%)
- Magenta (0%)
- Yellow (32%)
- Black (37%)





- Cyan (40%)
- Magenta (37%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2909, 0.3499, 0.4086 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 33.2909, 0.3499, 0.4086 by changing the saturation by 10% instead.


 33.2909, 0.3499,
0.4086


 33.2909, 0.3499,
0.4086


316.9585, 0.3311,
0.3658


 22.3494, 0.3545,
0.4203


 64.8294, 0.3431,
0.3923

 14.1138, 0.3602,
0.4358


 86.1952, 0.3405,
0.3864

 8.1999, 0.3674,
0.4573


 111.8046, 0.3383,
0.3815

 4.2231, 0.3761,
0.4888

 142.0419, 0.3365,
0.3774

 1.7991, 0.4170,
0.5830

177.2916, 0.3349,
0.3738

 0.4866, 0.2628,
0.7372

217.9379, 0.3334,

 0.0000, 0.0000,

0.3708

0.0000

264.3655, 0.3322,
0.3681

■ 33.2909, 0.3499,
0.4086

■ 33.2909, 0.3499,
0.4086

■ 32.7019, 0.3609,
0.4341

■ 33.9532, 0.3383,
0.3828

■ 32.1782, 0.3706,
0.4583

■ 34.6875, 0.3264,
0.3574

■ 31.7174, 0.3787,
0.4802

■ 35.4984, 0.3147,
0.3330

■ 31.3154, 0.3847,
0.4988


■ 36.3888, 0.3033,
0.3100

■ 30.9673, 0.3882,
0.5133

■ 37.3612, 0.2925,
0.2886


 30.6674, 0.3892,
0.5235

 38.4182, 0.2824,
0.2690

 30.4432, 0.3888,
0.5295

 39.5624, 0.2730,
0.2511

 40.7960, 0.2644,
0.2349

 42.1212, 0.2565,
0.2202

Harmonies

Analogous

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



33.2909, 0.3848, 0.3962



33.2909, 0.3499, 0.4086



33.2909, 0.3065, 0.3963

Triad

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



33.2909, 0.3499, 0.4086



33.2909, 0.2319, 0.2817



33.2909, 0.3584, 0.2985

Complementary

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



33.2909, 0.3499, 0.4086



17.6492, 0.2674, 0.2406

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.



33.2909, 0.3141, 0.2725



33.2909, 0.3499, 0.4086



33.2909, 0.2433, 0.2616

Square

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



33.2909, 0.3499, 0.4086



33.2909, 0.2400, 0.3177



33.2909, 0.2724, 0.2591



33.2909, 0.3909, 0.3323

Rectangle

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



33.2909, 0.3499, 0.4086



33.2909, 0.2788, 0.3747



33.2909, 0.2724, 0.2591



33.2909, 0.3442, 0.2887

Sweetspot

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



33.2924, 0.3499, 0.4086



62.3263, 0.3246, 0.3536



21.7797, 0.3786, 0.3429



13.6289, 0.3262, 0.3569



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.2924, 0.3499, 0.4086



58.8636, 0.3577, 0.4266



31.1295, 0.3245, 0.4155



8.1737, 0.3236, 0.3514



24.3286, 0.3890, 0.5293



0.5268, 0.4008, 0.5200

Inverse Universe

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



17.6492, 0.2674, 0.2406



26.3784, 0.2551, 0.2178



19.6562, 0.2960, 0.2474



6.9173, 0.3013, 0.3060



2.2704, 0.1592, 0.0651



0.0635, 0.1887, 0.0813

Previews

White Background



This preview shows how the Yxy color 33.2909, 0.3499, 0.4086 looks on a white background.

Color Contrast Check

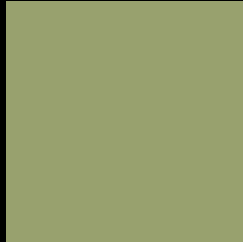
Large Text (above 18pt) WCAG AA × Fail

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 33.2909, 0.3499, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

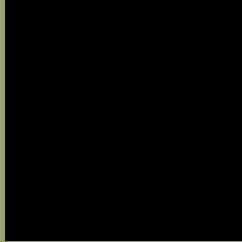
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2909, 0.3499, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 33.2909, 0.3499, 0.4086.



This preview shows how white text looks on a background with the Yxy color 33.2909, 0.3499, 0.4086.

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

33.2909, 0.3499, 0.4086

Protanopia

33.2947, 0.3719, 0.4000

Deuteranopia

32.9790, 0.3890, 0.3809



Tritanopia

33.2353, 0.3067, 0.3114

Trichromacy



Original Color

33.2909, 0.3499, 0.4086

Protanomaly

33.3444, 0.3636, 0.4029

Deuteranomaly

32.8144, 0.3748, 0.3905

Tritanomaly

33.2572, 0.3218, 0.3457

Monochromacy



Original Color

33.2909, 0.3499, 0.4086

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.9242, 0.3265, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2909, 0.3499, 0.4086 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(152, 161, 110)` looks like.

```
.text, #text, p{  
    color:rgb(152, 161, 110)  
}
```

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(152, 161, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 161, 110) }
```

Border

The CSS property to change the border of an element to Yxy 33.2909, 0.3499, 0.4086 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(152, 161, 110) }
```

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

```
.border{ border-color:rgb(152, 161, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 161, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 161, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 161, 110);  
box-shadow:4px 4px 4px 4px rgb(152, 161,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2909, 0.3499, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 161, 110) }
```

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

```
.background{ background-color: rgb(152,  
161, 110) }
```

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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