

Converting Colors

$Yxy(34.0472, 0.3126, 0.4147)$

Have a look what the booklet for
Yxy(34.0472, 0.3126, 0.4147)
contains.

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Color

Yxy(33.8949, 0.3131, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	7BA976
RGB	123, 169, 118
RGB Percent	48%, 66%, 46%
CMY	0.5176, 0.3373, 0.5373
CMYK	0.27, 0.00, 0.30, 0.34
HSL	114°, 23%, 56%
HSV	114°, 30%, 66%
XYZ	25.6279, 33.8949, 22.3292
YIQ	149.4320, -11.0450, -25.6130

Conversions

Conversions Part 2

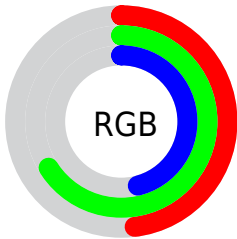
Format	Color
RYB	118, 169, 164
Decimal	8104310
CIELab	64.88, -25.60, 21.50
CIElCh	65, 33.432, 139.966
Yxy	33.8949, 0.3131, 0.4141
Android (android.graphics.Color)	4286294390 (0xFF7BA976)
YUV	149.4320, -15.4960, -23.1809
Hunter-Lab	58.2193, -23.3090, 18.0137

Details

The Yxy color **33.8949, 0.3131, 0.4141** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7106, 0.3104, 0.2543**, and the grayscale version is **30.3184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5607, 0.3144, 0.3960**, and **14.5300, 0.3106, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **32.4921, 0.3127, 0.4475**, and if you desaturate by 10%, it is **35.5475, 0.3132, 0.3829**.

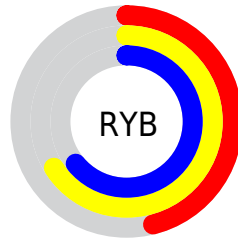
Distribution



Red (48%)

Green (66%)

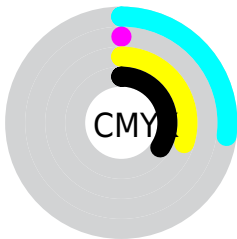
Blue (46%)



Red (46%)

Yellow (66%)

Blue (64%)

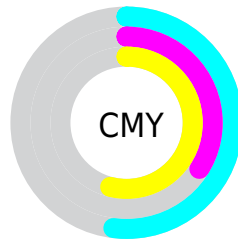


Cyan (27%)

Magenta (0%)

Yellow (30%)

Black (34%)



Cyan (52%)


Magenta (34%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8949, 0.3131, 0.4141 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 33.8949, 0.3131, 0.4141 by changing the saturation by 10% instead.


 33.8949, 0.3131,
0.4141


 33.8949, 0.3131,
0.4141


319.6632, 0.3140,
0.3674


 22.8129, 0.3124,
0.4273


 65.7702, 0.3138,
0.3960

 14.4554, 0.3110,
0.4453


 87.3323, 0.3139,
0.3896

 8.4381, 0.3085,
0.4710


 113.1564, 0.3140,
0.3842

 4.3765, 0.3030,
0.5105

143.6272, 0.3140,
0.3798

 1.8863, 0.3027,
0.6044

179.1288, 0.3140,
0.3760

 0.5401, 0.0000,
1.0000


220.0457, 0.3140,


 0.0000, 0.0000,

0.3727


0.0000


266.7624, 0.3140,
0.3699


 33.8949, 0.3131,
0.4141


 33.8949, 0.3131,
0.4141


 32.4921, 0.3127,
0.4475


 35.5475, 0.3132,
0.3829


 31.3229, 0.3118,
0.4819


 37.4565, 0.3131,
0.3546


 30.3757, 0.3105,
0.5155


 39.6340, 0.3127,
0.3294

 29.6364, 0.3087,
0.5458


 42.0898, 0.3123,
0.3073


 29.0893, 0.3066,
0.5705


 44.8332, 0.3117,
0.2881


 28.7161, 0.3043,
0.5877

 47.8730, 0.3111,
0.2714

 28.4921, 0.3025,
0.5980

 51.2179, 0.3105,
0.2570

 54.8761, 0.3099,
0.2445

 56.8562, 0.3167,
0.2450

Harmonies

Analogous

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



33.8949, 0.3635, 0.4226



33.8949, 0.3131, 0.4141



33.8949, 0.2650, 0.3754

Triad

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



33.8949, 0.3131, 0.4141



33.8949, 0.2282, 0.2525



33.8949, 0.4006, 0.3253

Complementary

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



33.8949, 0.3131, 0.4141



23.7106, 0.3104, 0.2543

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.



33.8949, 0.3583, 0.2876



33.8949, 0.3131, 0.4141



33.8949, 0.2585, 0.2469

Square

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



33.8949, 0.3131, 0.4141



33.8949, 0.2187, 0.2785



33.8949, 0.3054, 0.2598



33.8949, 0.4166, 0.3663

Rectangle

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



33.8949, 0.3131, 0.4141



33.8949, 0.2404, 0.3406



33.8949, 0.3054, 0.2598



33.8949, 0.3888, 0.3120

Sweetspot

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



33.8963, 0.3131, 0.4141



67.4572, 0.3130, 0.3519



36.2582, 0.3592, 0.3960



14.5906, 0.3131, 0.3556



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.8963, 0.3131, 0.4141



59.0312, 0.3129, 0.4355



34.0739, 0.2928, 0.3797



8.4418, 0.3130, 0.3522



21.2464, 0.3028, 0.5977



0.5275, 0.3149, 0.5882

Inverse Universe

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



23.7106, 0.3104, 0.2543



37.9163, 0.3096, 0.2383



23.5480, 0.3397, 0.2834



7.6285, 0.3122, 0.3066



7.1490, 0.2967, 0.1408



0.1843, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 33.8949, 0.3131, 0.4141 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 33.8949, 0.3131, 0.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

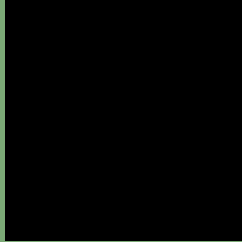
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8949, 0.3131, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 33.8949, 0.3131, 0.4141.



This preview shows how white text looks on a background with the Yxy color 33.8949, 0.3131, 0.4141.

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

33.8949, 0.3131, 0.4141

Protanopia

33.7412, 0.3667, 0.3941

Deuteranopia

33.7287, 0.3767, 0.3699



Tritanopia

33.9224, 0.2763, 0.3091

Trichromacy



Original Color

33.8949, 0.3131, 0.4141

Protanomaly

33.4029, 0.3454, 0.4008

Deuteranomaly

33.5156, 0.3513, 0.3851

Tritanomaly

33.9105, 0.2896, 0.3465

Monochromacy



Original Color

33.8949, 0.3131, 0.4141

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.1874, 0.3133, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8949, 0.3131, 0.4141 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(123, 169, 118)` looks like.

```
.text, #text, p{  
    color:rgb(123, 169, 118)  
}
```

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(123, 169, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 169, 118) }
```

Border

The CSS property to change the border of an element to Yxy 33.8949, 0.3131, 0.4141 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(123, 169, 118) }
```

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

```
.border{ border-color:rgb(123, 169, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 169, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 169, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 169, 118);  
box-shadow:4px 4px 4px 4px rgb(123, 169,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8949, 0.3131, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 169, 118) }
```

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

```
.background{ background-color: rgb(123,  
169, 118) }
```

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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