

Converting Colors

$Yxy(34.9756, 0.3146, 0.4154)$

Have a look what the booklet for
Yxy(34.9756, 0.3146, 0.4154)
contains.

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Color

Yxy(34.8933, 0.3148, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	7EAB77
RGB	126, 171, 119
RGB Percent	49%, 67%, 47%
CMY	0.5057, 0.3294, 0.5334
CMYK	0.26, 0.00, 0.30, 0.33
HSL	112°, 24%, 57%
HSV	112°, 30%, 67%
XYZ	26.5004, 34.8933, 22.7880
YIQ	151.6170, -10.1280, -25.7120

Conversions

Conversions Part 2

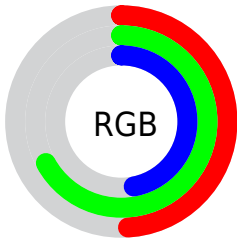
Format	Color
RYB	119, 171, 164
Decimal	8301431
CIELab	65.67, -25.36, 22.06
CIElCh	66, 33.613, 138.986
Yxy	34.8933, 0.3148, 0.4145
Android (android.graphics.Color)	4286491511 (0xFF7EAB77)
YUV	151.6170, -16.0802, -22.4661
Hunter-Lab	59.0706, -23.2943, 18.4768

Details

The Yxy color **34.8933, 0.3148, 0.4145** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.0191, 0.3082, 0.2531**, and the grayscale version is **31.3029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6200, 0.3150, 0.3963**, and **14.8949, 0.3130, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **33.4778, 0.3148, 0.4477**, and if you desaturate by 10%, it is **36.5518, 0.3144, 0.3835**.

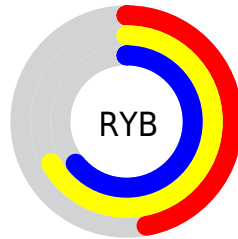
Distribution



Red (49%)

Green (67%)

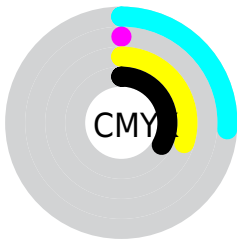
Blue (47%)



Red (47%)

Yellow (67%)

Blue (64%)

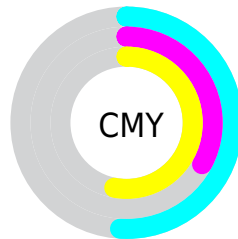


Cyan (26%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (51%)


Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8933, 0.3148, 0.4145 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 34.8933, 0.3148, 0.4145 by changing the saturation by 10% instead.


 34.8933, 0.3148,
0.4145


 34.8933, 0.3148,
0.4145


324.0971, 0.3148,
0.3678


 23.5807, 0.3143,
0.4276


 67.3204, 0.3151,
0.3965

 15.0229, 0.3133,
0.4453


 89.2038, 0.3152,
0.3900

 8.8354, 0.3112,
0.4706


 115.3794, 0.3151,
0.3847

 4.6340, 0.3065,
0.5091

146.2319, 0.3151,
0.3802

 2.0342, 0.3048,
0.5941

182.1455, 0.3150,
0.3764

 0.6272, 0.0000,
1.0000

223.5046, 0.3150,

 0.0000, 0.0000,

0.3731

0.0000

270.6937, 0.3149,
0.3703

■ 34.8933, 0.3148,
0.4145

■ 34.8933, 0.3148,
0.4145

■ 33.4778, 0.3148,
0.4477

■ 36.5518, 0.3144,
0.3835

■ 32.2896, 0.3143,
0.4817

■ 38.4593, 0.3137,
0.3552

■ 31.3181, 0.3132,
0.5149


■ 40.6271, 0.3128,
0.3300


■ 30.5500, 0.3114,
0.5448

■ 43.0646, 0.3117,
0.3078

■ 29.9705, 0.3090,
0.5694


■ 45.7806, 0.3107,
0.2883

 29.5628, 0.3063,
0.5866

 48.7836, 0.3096,
0.2714

 29.3087, 0.3039,
0.5969

 52.0817, 0.3085,
0.2568

 55.6316, 0.3081,
0.2447

 57.6046, 0.3166,
0.2469

Harmonies

Analogous

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



34.8933, 0.3648, 0.4219



34.8933, 0.3148, 0.4145



34.8933, 0.2666, 0.3768

Triad

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



34.8933, 0.3148, 0.4145



34.8933, 0.2279, 0.2534



34.8933, 0.3992, 0.3240

Complementary

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



34.8933, 0.3148, 0.4145



24.0191, 0.3082, 0.2531

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.



34.8933, 0.3565, 0.2867



34.8933, 0.3148, 0.4145



34.8933, 0.2574, 0.2471

Square

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



34.8933, 0.3148, 0.4145



34.8933, 0.2191, 0.2799



34.8933, 0.3037, 0.2593



34.8933, 0.4162, 0.3649

Rectangle

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



34.8933, 0.3148, 0.4145



34.8933, 0.2417, 0.3423



34.8933, 0.3037, 0.2593



34.8933, 0.3872, 0.3108

Sweetspot

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



34.8948, 0.3148, 0.4145



69.3424, 0.3136, 0.3519



36.2533, 0.3607, 0.3932



15.3473, 0.3137, 0.3556



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.8948, 0.3148, 0.4145



60.8687, 0.3149, 0.4350



34.8577, 0.2946, 0.3847



8.9895, 0.3136, 0.3523



22.1094, 0.3042, 0.5966



0.6309, 0.3192, 0.5848

Inverse Universe

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



24.0191, 0.3082, 0.2531



38.4604, 0.3069, 0.2374



24.1424, 0.3369, 0.2793



8.0922, 0.3117, 0.3065



6.9676, 0.2875, 0.1357



0.2087, 0.2983, 0.1417

Previews

White Background



This preview shows how the Yxy color 34.8933, 0.3148, 0.4145 looks on a white background.

Color Contrast Check

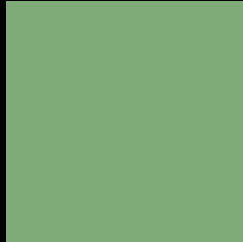
Large Text (above 18pt) WCAG AA × Fail

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 34.8933, 0.3148, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

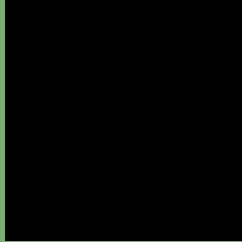
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8933, 0.3148, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 34.8933, 0.3148, 0.4145.



This preview shows how white text looks on a background with the Yxy color 34.8933, 0.3148, 0.4145.

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

34.8933, 0.3148, 0.4145

Protanopia

34.6691, 0.3670, 0.3948

Deuteranopia

34.6516, 0.3769, 0.3708



Tritanopia

34.9595, 0.2775, 0.3093

Trichromacy



Original Color

34.8933, 0.3148, 0.4145

Protanomaly

34.4239, 0.3470, 0.4013

Deuteranomaly

34.4393, 0.3518, 0.3859

Tritanomaly

34.9433, 0.2907, 0.3462

Monochromacy



Original Color

34.8933, 0.3148, 0.4145

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5294, 0.3142, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8933, 0.3148, 0.4145 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(126, 171, 119)` looks like.

```
.text, #text, p{  
    color:rgb(126, 171, 119)  
}
```

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(126, 171, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 171, 119) }
```

Border

The CSS property to change the border of an element to Yxy 34.8933, 0.3148, 0.4145 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(126, 171, 119) }
```

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

```
.border{ border-color:rgb(126, 171, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 171, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 171, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 171, 119);  
box-shadow:4px 4px 4px 4px rgb(126, 171,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8933, 0.3148, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 171, 119) }
```

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

```
.background{ background-color: rgb(126,  
171, 119) }
```

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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