

Converting Colors

$Yxy(33.4719, 0.3115, 0.3932)$

Have a look what the booklet for
Yxy(33.4719, 0.3115, 0.3932)
contains.

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Color

Yxy(33.4719, 0.3115, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	81A67F
RGB	129, 166, 127
RGB Percent	51%, 65%, 50%
CMY	0.4942, 0.3490, 0.5020
CMYK	0.22, 0.00, 0.24, 0.35
HSL	117°, 18%, 57%
HSV	117°, 24%, 65%
XYZ	26.5170, 33.4719, 25.1380
YIQ	150.4910, -9.5330, -19.9730

Conversions

Conversions Part 2

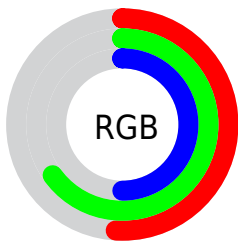
Format	Color
RYB	127, 166, 164
Decimal	8496767
CIELab	64.54, -20.45, 16.17
CIELCh	65, 26.070, 141.662
Yxy	33.4719, 0.3115, 0.3932
Android (android.graphics.Color)	4286686847 (0xFF81A67F)
YUV	150.4910, -11.5811, -18.8476
Hunter-Lab	57.8549, -19.4330, 14.7369

Details

The Yxy color **33.4719, 0.3115, 0.3932** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.8247, 0.3132, 0.2715**, and the grayscale version is **30.7707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9533, 0.3118, 0.3793**, and **14.2470, 0.3099, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **31.9356, 0.3106, 0.4255**, and if you desaturate by 10%, it is **35.2726, 0.3121, 0.3637**.

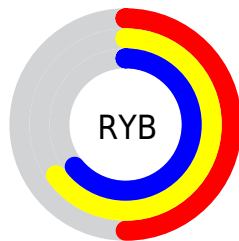
Distribution



Red (51%)

Green (65%)

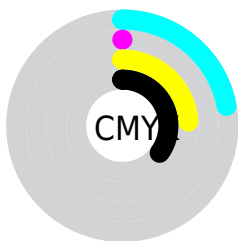
Blue (50%)



Red (50%)

Yellow (65%)

Blue (64%)

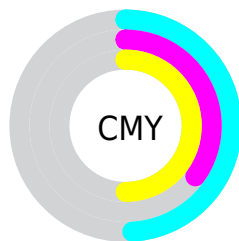


Cyan (22%)

Magenta (0%)

Yellow (24%)

Black (35%)



Cyan (49%)


Magenta (35%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4719, 0.3115, 0.3932 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 33.4719, 0.3115, 0.3932 by changing the saturation by 10% instead.


 33.4719, 0.3115,
0.3932

 33.4719, 0.3115,
0.3932


317.7708, 0.3128,
0.3581


 22.4882, 0.3109,
0.4031


 65.1116, 0.3122,
0.3797

 14.2161, 0.3099,
0.4165


 86.5364, 0.3123,
0.3748

 8.2711, 0.3081,
0.4357


 112.2103, 0.3125,
0.3708

 4.2689, 0.3045,
0.4654

142.5177, 0.3126,
0.3675

 1.8251, 0.2993,
0.5225

177.8431, 0.3126,
0.3646

 0.5027, 0.0000,
1.0000

218.5708, 0.3127,

 0.0000, 0.0000,

0.3622

0.0000

265.0853, 0.3127,
0.3600

■ 33.4719, 0.3115,
0.3932

■ 33.4719, 0.3115,
0.3932

■ 31.9356, 0.3106,
0.4255

■ 35.2726, 0.3121,
0.3637

■ 30.6474, 0.3095,
0.4599

■ 37.3447, 0.3126,
0.3374

■ 29.5953, 0.3082,
0.4947

■ 39.7006, 0.3129,
0.3144

■ 28.7651, 0.3066,
0.5277

■ 42.3502, 0.3131,
0.2943

■ 28.1409, 0.3049,
0.5566

■ 45.3032, 0.3132,
0.2770

■ 27.7045, 0.3033,
0.5788

■ 48.5689, 0.3132,
0.2621

■ 27.4349, 0.3017,
0.5930

■ 52.1560, 0.3132,
0.2493

■ 27.3305, 0.3012,
0.5990

■ 55.7559, 0.3168,
0.2422

Harmonies

Analogous

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



33.4719, 0.3514, 0.4022



33.4719, 0.3115, 0.3932



33.4719, 0.2735, 0.3628

Triad

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



33.4719, 0.3115, 0.3932



33.4719, 0.2463, 0.2677



33.4719, 0.3826, 0.3288

Complementary

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



33.4719, 0.3115, 0.3932



25.8247, 0.3132, 0.2715

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.



33.4719, 0.3509, 0.2977



33.4719, 0.3115, 0.3932



33.4719, 0.2718, 0.2635

Square

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



33.4719, 0.3115, 0.3932



33.4719, 0.2375, 0.2884



33.4719, 0.3097, 0.2744



33.4719, 0.3941, 0.3617

Rectangle

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



33.4719, 0.3115, 0.3932



33.4719, 0.2542, 0.3363



33.4719, 0.3097, 0.2744



33.4719, 0.3739, 0.3179

Sweetspot

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



33.4733, 0.3115, 0.3932



66.3467, 0.3124, 0.3466



35.9797, 0.3482, 0.3828



14.7992, 0.3124, 0.3480



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.



33.4733, 0.3115, 0.3932



59.2856, 0.3111, 0.4091



33.7977, 0.2959, 0.3648



8.4253, 0.3124, 0.3523



21.1971, 0.3014, 0.5989



0.5212, 0.3079, 0.5938

Inverse Universe

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



25.8247, 0.3132, 0.2715



43.0388, 0.3132, 0.2591



25.4574, 0.3340, 0.2957



7.6469, 0.3130, 0.3067



7.7424, 0.3084, 0.1473



0.1941, 0.3128, 0.1497

Previews

White Background



This preview shows how the Yxy color 33.4719, 0.3115, 0.3932 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 33.4719, 0.3115, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

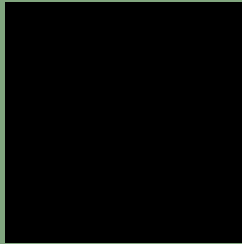
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4719, 0.3115, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 33.4719, 0.3115, 0.3932.



This preview shows how white text looks on a background with the Yxy color 33.4719, 0.3115, 0.3932.

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

33.4719, 0.3115, 0.3932

Protanopia

33.2891, 0.3553, 0.3800

Deuteranopia

33.1277, 0.3645, 0.3577



Tritanopia

33.4771, 0.2810, 0.3091

Trichromacy



Original Color

33.4719, 0.3115, 0.3932

Protanomaly

33.3692, 0.3386, 0.3850

Deuteranomaly

32.9390, 0.3432, 0.3701

Tritanomaly

33.3093, 0.2921, 0.3384

Monochromacy



Original Color

33.4719, 0.3115, 0.3932

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4807, 0.3117, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4719, 0.3115, 0.3932 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(129, 166, 127)` looks like.

```
.text, #text, p{  
    color:rgb(129, 166, 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(129, 166, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 166, 127) }
```

Border

The CSS property to change the border of an element to Yxy 33.4719, 0.3115, 0.3932 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(129, 166, 127) }
```

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

```
.border{ border-color:rgb(129, 166, 127) }
```

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

Here you see how a box with a 4 pixel rgb(129, 166, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 166, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 166, 127);  
box-shadow:4px 4px 4px 4px rgb(129, 166,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4719, 0.3115, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 166, 127) }
```

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

```
.background{ background-color: rgb(129,  
166, 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](#).

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