

Converting Colors

$Y_{xy}(33.1605, 0.33380, 0.3500)$

Have a look what the booklet for
Yxy(33.1605, 0.3380, 0.3500)
contains.

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Color

Yxy(33.1116, 0.3383, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	A69A8C
RGB	166, 154, 140
RGB Percent	65%, 60%, 55%
CMY	0.3490, 0.3961, 0.4511
CMYK	0.00, 0.07, 0.16, 0.35
HSL	32°, 13%, 60%
HSV	32°, 16%, 65%
XYZ	32.0139, 33.1116, 29.5061
YIQ	155.9920, 11.6460, -1.8100

Conversions

Conversions Part 2

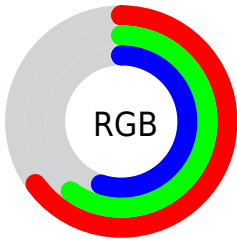
Format	Color
RYB	162, 166, 140
Decimal	10918540
CIELab	64.25, 1.98, 8.94
CIELCh	64, 9.156, 77.540
Yxy	33.1116, 0.3383, 0.3499
Android (android.graphics.Color)	4289108620 (0xFFA69A8C)
YUV	155.9920, -7.8841, 8.7770
Hunter-Lab	57.5427, -1.3912, 9.8778

Details

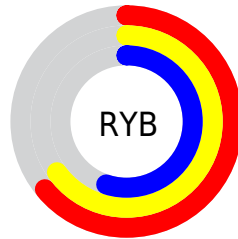
The Yxy color **33.1116, 0.3383, 0.3499** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7749, 0.2886, 0.3072**, and the grayscale version is **33.2740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3789, 0.3327, 0.3449**, and **14.0161, 0.3469, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **30.2137, 0.3573, 0.3640**, and if you desaturate by 10%, it is **36.2474, 0.3214, 0.3364**.

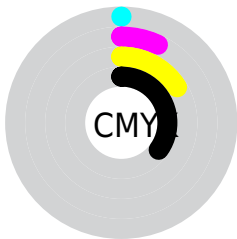
Distribution



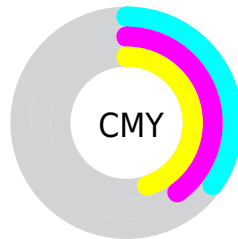
- Red (65%)
- Green (60%)
- Blue (55%)



- Red (64%)
- Yellow (65%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (16%)
- Black (35%)





- Cyan (35%)
- Magenta (40%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1116, 0.3383, 0.3499 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 33.1116, 0.3383, 0.3499 by changing the saturation by 10% instead.


 33.1116, 0.3383,
0.3499


 33.1116, 0.3383,
0.3499


316.1523, 0.3247,
0.3389

 22.2120, 0.3420,
0.3528


 64.5497, 0.3332,
0.3458

 14.0127, 0.3468,
0.3567


 85.8570, 0.3313,
0.3443

 8.1295, 0.3536,
0.3620


 111.4023, 0.3298,
0.3430

 4.1779, 0.3638,
0.3699

141.5699, 0.3285,
0.3419

 1.7736, 0.3804,
0.3826

176.7443, 0.3273,
0.3410

 0.4706, 0.5129,
0.4871

217.3100, 0.3264,

 0.0000, 0.0000,

0.3402

0.0000

263.6511, 0.3255,
0.3395

■ 33.1116, 0.3383,
0.3499

■ 33.1116, 0.3383,
0.3499

■ 30.2137, 0.3573,
0.3640

■ 36.2474, 0.3214,
0.3364

■ 27.5430, 0.3785,
0.3783

■ 39.6226, 0.3065,
0.3236

■ 25.0943, 0.4016,
0.3921

■ 43.2445, 0.2934,
0.3117

■ 22.8606, 0.4263,
0.4047

■ 47.1185, 0.2819,
0.3007

■ 20.8345, 0.4517,
0.4150

■ 51.2500, 0.2719,
0.2906

■ 19.0077, 0.4767,
0.4217

■ 55.6441, 0.2631,
0.2813

■ 17.3714, 0.4999,
0.4238

■ 60.2297, 0.2559,
0.2741

■ 15.9146, 0.5199,
0.4208

■ 64.0414, 0.2571,
0.2833

■ 15.3321, 0.5282,
0.4188

■ 68.0354, 0.2584,
0.2923

Harmonies

Analogous

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



33.1116, 0.3410, 0.3402



33.1116, 0.3383, 0.3499



33.1116, 0.3287, 0.3542

Triad

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



33.1116, 0.3383, 0.3499



33.1116, 0.2900, 0.3294



33.1116, 0.3101, 0.3078

Complementary

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



33.1116, 0.3383, 0.3499



30.7749, 0.2886, 0.3072

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.



33.1116, 0.2966, 0.3047



33.1116, 0.3383, 0.3499



33.1116, 0.2852, 0.3168

Square

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



33.1116, 0.3383, 0.3499



33.1116, 0.3008, 0.3423



33.1116, 0.2876, 0.3079



33.1116, 0.3245, 0.3162

Rectangle

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



33.1116, 0.3383, 0.3499



33.1116, 0.3197, 0.3532



33.1116, 0.2876, 0.3079



33.1116, 0.3053, 0.3061

Sweetspot

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



33.1131, 0.3383, 0.3499



66.1296, 0.3205, 0.3356



29.1281, 0.3286, 0.3110



14.7091, 0.3216, 0.3365



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.



33.1131, 0.3383, 0.3499



58.1123, 0.3450, 0.3550



37.1794, 0.3348, 0.3671



8.1870, 0.3273, 0.3412



11.9835, 0.5270, 0.4198



0.3922, 0.4828, 0.4548

Inverse Universe

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



30.7749, 0.2886, 0.3072



53.0059, 0.2828, 0.3015



27.1524, 0.2888, 0.2881



7.8491, 0.2987, 0.3165



6.2906, 0.1745, 0.1480



0.2561, 0.1923, 0.2124

Previews

White Background



This preview shows how the Yxy color 33.1116, 0.3383, 0.3499 looks on a white background.

Color Contrast Check

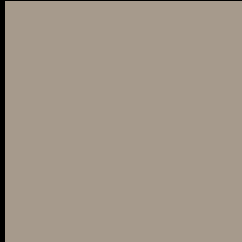
Large Text (above 18pt) WCAG AA × Fail

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 33.1116, 0.3383, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

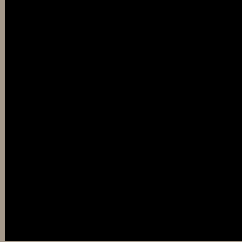
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

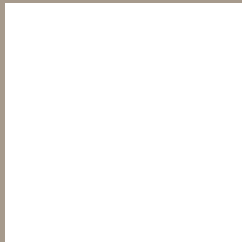
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1116, 0.3383, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 33.1116, 0.3383, 0.3499.

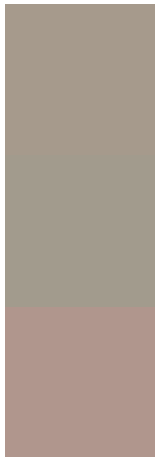


This preview shows how white text looks on a background with the Yxy color 33.1116, 0.3383, 0.3499.

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

33.1116, 0.3383, 0.3499

Protanopia

33.0472, 0.3329, 0.3501

Deuteranopia

32.9659, 0.3488, 0.3421



Tritanopia

33.2126, 0.3196, 0.3118

Trichromacy



Original Color

33.1116, 0.3383, 0.3499

Protanomaly

33.1523, 0.3340, 0.3500

Deuteranomaly

32.8270, 0.3443, 0.3437

Tritanomaly

33.1479, 0.3261, 0.3247

Monochromacy



Original Color

33.1116, 0.3383, 0.3499

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.1183, 0.3223, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1116, 0.3383, 0.3499 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(166, 154, 140)` looks like.

```
.text, #text, p{  
    color:rgb(166, 154, 140)  
}
```

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(166, 154, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 154, 140) }
```

Border

The CSS property to change the border of an element to Yxy 33.1116, 0.3383, 0.3499 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(166, 154, 140) }
```

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

```
.border{ border-color:rgb(166, 154, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 154, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 154, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 154, 140);  
box-shadow:4px 4px 4px 4px rgb(166, 154,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1116, 0.3383, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 154, 140) }
```

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

```
.background{ background-color: rgb(166,  
154, 140) }
```

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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