

Converting Colors

$Y_{xy}(33.1253, 0.3874, 0.3437)$

Have a look what the booklet for
Yxy(33.1253, 0.3874, 0.3437)
contains.

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Color

Yxy(33.1268, 0.3874, 0.3438)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | C78E83 |
| RGB | 199, 142, 131 |
| RGB Percent | 78%, 56%, 51% |
| CMY | 0.2195, 0.4432, 0.4863 |
| CMYK | 0.00, 0.29, 0.34, 0.22 |
| HSL | 10°, 38%, 65% |
| HSV | 10°, 34%, 78% |
| XYZ | 37.3279, 33.1268, 25.9002 |
| YIQ | 157.7890, 37.5030, 8.6630 |

Conversions

Conversions Part 2

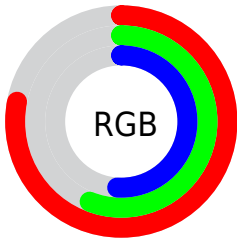
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 199, 144, 131 |
| Decimal | 13078147 |
| CIE Lab | 64.26, 20.19, 14.46 |
| CIE LCh | 64, 24.840, 35.612 |
| Yxy | 33.1268, 0.3874, 0.3438 |
| Android (android.graphics.Color) | 4291268227 (0xFFC78E83) |
| YUV | 157.7890, -13.2070, 36.1420 |
| Hunter-Lab | 57.5559, 15.0434, 13.6086 |

Details

The Yxy color **33.1268, 0.3874, 0.3438** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.9313, 0.2628, 0.3135**, and the grayscale version is **34.1409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2005, 0.3706, 0.3417**, and **13.9310, 0.4115, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **28.0405, 0.4197, 0.3481**, and if you desaturate by 10%, it is **39.0633, 0.3603, 0.3393**.

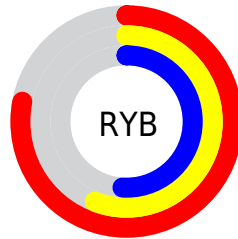
Distribution



Red (78%)

Green (56%)

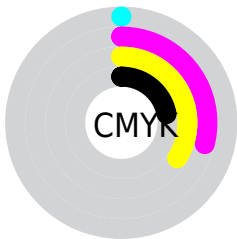
Blue (51%)



Red (78%)

Yellow (56%)

Blue (51%)

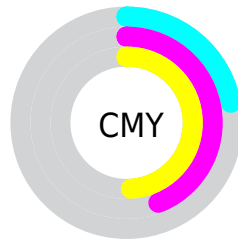


Cyan (0%)

Magenta (29%)

Yellow (34%)

Black (22%)



Cyan (22%)

Magenta (44%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1268, 0.3874, 0.3438 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 33.1268, 0.3874, 0.3438 by changing the saturation by 10% instead.


 33.1268, 0.3874,
0.3438

 33.1268, 0.3874,
0.3438


316.2207, 0.3476,
0.3371

 22.2236, 0.3982,
0.3452


 64.5734, 0.3723,
0.3416

 14.0213, 0.4125,
0.3467

 85.8857, 0.3668,
0.3406

 8.1355, 0.4325,
0.3483


 111.4364, 0.3623,
0.3399

 4.1818, 0.4620,
0.3493

141.6099, 0.3584,
0.3392

 1.7757, 0.5114,
0.3493

176.7908, 0.3551,
0.3385

 0.4720, 0.6670,
0.3330

217.3632, 0.3523,

 0.0000, 0.0000,


0.3380


0.0000


263.7118, 0.3498,
0.3375


 33.1268, 0.3874,
0.3438


 33.1268, 0.3874,
0.3438


 28.0405, 0.4197,
0.3481

 39.0633, 0.3603,
0.3393


 23.7606, 0.4572,
0.3518


 45.8815, 0.3379,
0.3348


 20.2470, 0.4988,
0.3540

 53.6173, 0.3194,
0.3307

 17.4537, 0.5416,
0.3541

 62.3030, 0.3043,
0.3268

 15.3299, 0.5810,
0.3513

 71.9695, 0.2918,
0.3233

■ 13.8180, 0.6115,
0.3456

■ 82.6461, 0.2814,
0.3201

■ 13.1870, 0.6248,
0.3421

■ 90.8855, 0.2800,
0.3289

Harmonies

Analogous

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



33.1268, 0.3652, 0.3123



33.1268, 0.3874, 0.3438



33.1268, 0.3879, 0.3738

Triad

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



33.1268, 0.3874, 0.3438



33.1268, 0.2939, 0.3788



33.1268, 0.2586, 0.2664

Complementary

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



33.1268, 0.3874, 0.3438



44.9313, 0.2628, 0.3135

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.



33.1268, 0.2423, 0.2791



33.1268, 0.3874, 0.3438



33.1268, 0.2617, 0.3439

Square

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



33.1268, 0.3874, 0.3438



33.1268, 0.3325, 0.3977



33.1268, 0.2434, 0.3067



33.1268, 0.2894, 0.2693

Rectangle

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



33.1268, 0.3874, 0.3438



33.1268, 0.3761, 0.3893



33.1268, 0.2434, 0.3067



33.1268, 0.2514, 0.2689

Sweetspot

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



33.1284, 0.3874, 0.3438



85.5747, 0.3300, 0.3331



32.0453, 0.3268, 0.2564



17.9116, 0.3327, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.1284, 0.3874, 0.3438



51.2396, 0.4109, 0.3471



44.5288, 0.3730, 0.3860



10.9092, 0.3286, 0.3328



8.5629, 0.6229, 0.3436



0.4949, 0.5867, 0.3724

Inverse Universe

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



44.9313, 0.2628, 0.3135



74.9585, 0.2532, 0.3096



32.3300, 0.2564, 0.2643



11.7644, 0.2984, 0.3252



20.4949, 0.2104, 0.2772



1.0506, 0.2136, 0.2891

Previews

White Background



This preview shows how the Yxy color 33.1268, 0.3874, 0.3438 looks on a white background.

Color Contrast Check

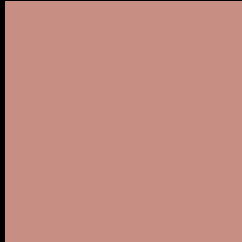
Large Text (above 18pt) WCAG AA × Fail

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 33.1268, 0.3874, 0.3438 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 33.1268, 0.3874, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 33.1268, 0.3874, 0.3438.



This preview shows how white text looks on a background with the Yxy color 33.1268, 0.3874, 0.3438.

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

33.1268, 0.3874, 0.3438

Protanopia

33.3984, 0.3367, 0.3560

Deuteranopia

33.1010, 0.3655, 0.3591



Tritanopia

33.0848, 0.3694, 0.3148

Trichromacy



Original Color

33.1268, 0.3874, 0.3438

Protanomaly

33.1126, 0.3547, 0.3522

Deuteranomaly

33.0439, 0.3732, 0.3528

Tritanomaly

33.0187, 0.3758, 0.3252

Monochromacy



Original Color

33.1268, 0.3874, 0.3438

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.4788, 0.3381, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1268, 0.3874, 0.3438 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(199, 142, 131)` looks like.

```
.text, #text, p{  
    color:rgb(199, 142, 131)  
}
```

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(199, 142, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 142, 131) }
```

Border

The CSS property to change the border of an element to Yxy 33.1268, 0.3874, 0.3438 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(199, 142, 131) }
```

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

```
.border{ border-color:rgb(199, 142, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 142, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 142, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 142, 131);  
box-shadow:4px 4px 4px 4px rgb(199, 142,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1268, 0.3874, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 142, 131) }
```

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

```
.background{ background-color: rgb(199,  
142, 131) }
```

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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