

Converting Colors

$Y_{xy}(33.0322, 0.4359, 0.3728)$

Have a look what the booklet for
Yxy(33.0322, 0.4359, 0.3728)
contains.

Yxy(33.1333, 0.4356, 0.3735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.1333, 0.4356, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	D48A66
RGB	212, 138, 102
RGB Percent	83%, 54%, 40%
CMY	0.1686, 0.4588, 0.5999
CMYK	0.00, 0.35, 0.52, 0.17
HSL	20°, 56%, 62%
HSV	20°, 52%, 83%
XYZ	38.6422, 33.1333, 16.9348
YIQ	156.0220, 55.6600, 4.4920

Conversions

Conversions Part 2

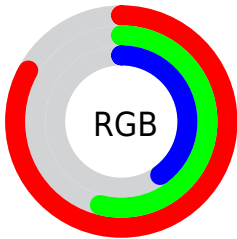
Format	Color
R_{YB}	212, 156, 102
Decimal	13929062
CIE _{Lab}	64.27, 24.42, 30.84
CIE _{LCh}	64, 39.336, 51.625
Yxy	33.1333, 0.4356, 0.3735
Android (android.graphics.Color)	4292119142 (0xFFD48A66)
YUV	156.0220, -26.6328, 49.0927
Hunter-Lab	57.5615, 19.0979, 22.8498

Details

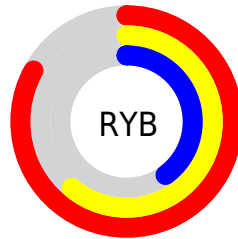
The Yxy color **33.1333, 0.4356, 0.3735** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.6473, 0.2357, 0.2769**, and the grayscale version is **33.3602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2592, 0.3976, 0.3699**, and **13.9528, 0.4752, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **28.9381, 0.4700, 0.3798**, and if you desaturate by 10%, it is **37.9772, 0.4043, 0.3654**.

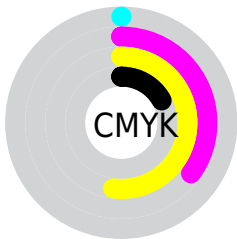
Distribution



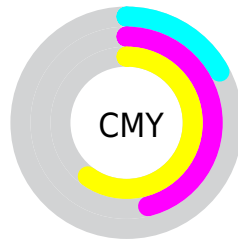
- Red (83%)
- Green (54%)
- Blue (40%)



- Red (83%)
- Yellow (61%)
- Blue (40%)



- Cyan (0%)
- Magenta (35%)
- Yellow (52%)
- Black (17%)





- Cyan (17%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1333, 0.4356, 0.3735 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 33.1333, 0.4356, 0.3735 by changing the saturation by 10% instead.


 33.1333, 0.4356,
0.3735

 33.1333, 0.4356,
0.3735


316.2500, 0.3706,
0.3535


 22.2286, 0.4525,
0.3773


 64.5836, 0.4114,
0.3670

 14.0250, 0.4744,
0.3812


 85.8979, 0.4024,
0.3643

 8.1380, 0.5035,
0.3845


 111.4510, 0.3949,
0.3619

 4.1834, 0.5437,
0.3854

 141.6271, 0.3886,
0.3598

 1.7767, 0.6139,
0.3861

176.8106, 0.3832,
0.3580

 0.4726, 0.6921,
0.3079

217.3860, 0.3784,

 0.0000, 0.0000,

0.3563

0.0000

263.7377, 0.3743,
0.3548

■ 33.1333, 0.4356,
0.3735

■ 33.1333, 0.4356,
0.3735

■ 28.9381, 0.4700,
0.3798

■ 37.9772, 0.4043,
0.3654

■ 25.3575, 0.5058,
0.3831

■ 43.4919, 0.3768,
0.3566

■ 22.3613, 0.5405,
0.3822

■ 49.7047, 0.3530,
0.3475

■ 19.9144, 0.5708,
0.3764

■ 56.6397, 0.3328,
0.3388

■ 18.2975, 0.5909,
0.3690

■ 64.3197, 0.3156,
0.3305

■ 72.7665, 0.3011,
0.3228

■ 82.0012, 0.2889,
0.3158

■ 90.9255, 0.2870,
0.3260

■ 92.7392, 0.2872,
0.3289

Harmonies

Analogous

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



33.1333, 0.4190, 0.3261



33.1333, 0.4356, 0.3735



33.1333, 0.4155, 0.4162

Triad

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



33.1333, 0.4356, 0.3735



33.1333, 0.2533, 0.3812



33.1333, 0.2515, 0.2339

Complementary

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



33.1333, 0.4356, 0.3735



38.6473, 0.2357, 0.2769

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.



33.1333, 0.2156, 0.2384



33.1333, 0.4356, 0.3735



33.1333, 0.2160, 0.3177

Square

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



33.1333, 0.4356, 0.3735



33.1333, 0.3088, 0.4298



33.1333, 0.2033, 0.2664



33.1333, 0.3069, 0.2499

Rectangle

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



33.1333, 0.4356, 0.3735



33.1333, 0.3862, 0.4356



33.1333, 0.2033, 0.2664



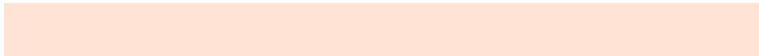
33.1333, 0.2370, 0.2330

Sweetspot

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



33.1350, 0.4356, 0.3735



81.3614, 0.3410, 0.3425



26.6882, 0.3582, 0.2398



16.9474, 0.3453, 0.3443



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.



33.1350, 0.4356, 0.3735



43.4920, 0.4727, 0.3802



52.5923, 0.3993, 0.4341



13.0775, 0.3283, 0.3367



11.4575, 0.5884, 0.3710



0.8401, 0.5545, 0.3980

Inverse Universe

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



38.6473, 0.2357, 0.2769



52.6062, 0.2226, 0.2638



21.5457, 0.2192, 0.1940



13.3914, 0.2982, 0.3212



15.1898, 0.1942, 0.2191



1.0642, 0.2001, 0.2403

Previews

White Background



This preview shows how the Yxy color 33.1333, 0.4356, 0.3735 looks on a white background.

Color Contrast Check

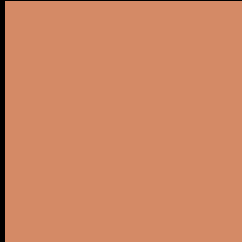
Large Text (above 18pt) WCAG AA × Fail

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 33.1333, 0.4356, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

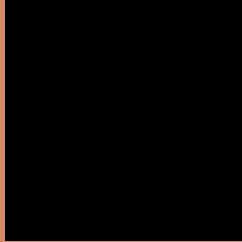
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1333, 0.4356, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 33.1333, 0.4356, 0.3735.



This preview shows how white text looks on a background with the Yxy color 33.1333, 0.4356, 0.3735.

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

33.1333, 0.4356, 0.3735

Protanopia

33.3161, 0.3710, 0.3986

Deuteranopia

33.1064, 0.4043, 0.3962



Tritanopia

33.2053, 0.3948, 0.3169

Trichromacy



Original Color

33.1333, 0.4356, 0.3735

Protanomaly

32.8498, 0.3951, 0.3891

Deuteranomaly

33.0607, 0.4158, 0.3872

Tritanomaly

33.1826, 0.4104, 0.3380

Monochromacy



Original Color

33.1333, 0.4356, 0.3735

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.5026, 0.3543, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1333, 0.4356, 0.3735 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(212, 138, 102)` looks like.

```
.text, #text, p{  
    color:rgb(212, 138, 102)  
}
```

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(212, 138, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 138, 102) }
```

Border

The CSS property to change the border of an element to Yxy 33.1333, 0.4356, 0.3735 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(212, 138, 102) }
```

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

```
.border{ border-color:rgb(212, 138, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 138, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(212, 138,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1333, 0.4356, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 138, 102) }
```

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

```
.background{ background-color: rgb(212,  
138, 102) }
```

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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