

Converting Colors

$Y_{xy}(33.0270, 0.4259, 0.4123)$

Have a look what the booklet for
Yxy(33.0270, 0.4259, 0.4123)
contains.

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Color

Yxy(33.1574, 0.4255, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	C19454
RGB	193, 148, 84
RGB Percent	76%, 58%, 33%
CMY	0.2432, 0.4195, 0.6705
CMYK	0.00, 0.23, 0.56, 0.24
HSL	35°, 47%, 54%
HSV	35°, 56%, 76%
XYZ	34.1775, 33.1574, 12.9883
YIQ	154.1590, 47.3640, -10.3640

Conversions

Conversions Part 2

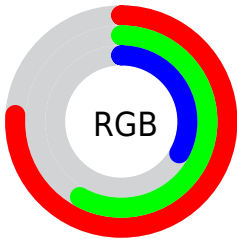
Format	Color
RYB	161, 193, 84
Decimal	12686420
CIELab	64.29, 9.48, 39.98
CIELCh	64, 41.085, 76.655
Yxy	33.1574, 0.4255, 0.4128
Android (android.graphics.Color)	4290876500 (0xFFC19454)
YUV	154.1590, -34.5884, 34.0636
Hunter-Lab	57.5825, 5.1776, 26.9343

Details

The Yxy color **33.1574, 0.4255, 0.4128** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.4262, 0.2200, 0.2232**, and the grayscale version is **32.5282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6858, 0.4045, 0.3986**, and **13.9110, 0.4575, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **30.4843, 0.4492, 0.4237**, and if you desaturate by 10%, it is **36.0889, 0.4020, 0.3993**.

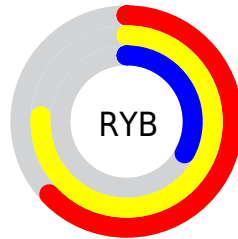
Distribution



Red (76%)

Green (58%)

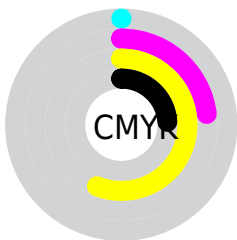
Blue (33%)



Red (63%)

Yellow (76%)

Blue (33%)

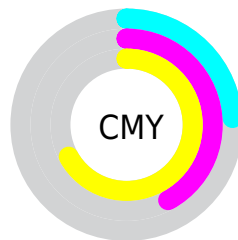


Cyan (0%)

Magenta (23%)

Yellow (56%)

Black (24%)



Cyan (24%)


Magenta (42%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1574, 0.4255, 0.4128 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 33.1574, 0.4255, 0.4128 by changing the saturation by 10% instead.


 33.1574, 0.4255,
0.4128

 33.1574, 0.4255,
0.4128


316.3584, 0.3673,
0.3718


 22.2471, 0.4399,
0.4219


 64.6212, 0.4043,
0.3985

 14.0385, 0.4577,
0.4325


 85.9434, 0.3963,
0.3929


 8.1475, 0.4801,
0.4442

 111.5051, 0.3895,
0.3881

 4.1895, 0.5194,
0.4659

 141.6905, 0.3838,
0.3840

 1.7801, 0.5398,
0.4602

 176.8842, 0.3788,
0.3803

 0.4747, 0.5898,
0.4102

217.4705, 0.3744,

 0.0000, 0.0000,

0.3771

0.0000

263.8337, 0.3706,
0.3743

■ 33.1574, 0.4255,
0.4128

■ 33.1574, 0.4255,
0.4128

■ 30.4843, 0.4492,
0.4237

■ 36.0889, 0.4020,
0.3993

■ 28.0542, 0.4720,
0.4309

■ 39.2834, 0.3795,
0.3843

■ 25.8571, 0.4926,
0.4333

■ 42.7515, 0.3587,
0.3687

■ 23.8786, 0.5099,
0.4304

■ 46.5014, 0.3397,
0.3532

■ 23.2232, 0.5157,
0.4288

■ 50.5411, 0.3227,
0.3382

■ 54.8781, 0.3076,
0.3241

■ 59.5194, 0.2942,
0.3109

■ 64.4719, 0.2824,
0.2987

■ 69.5681, 0.2734,
0.2902

Harmonies

Analogous

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



33.1574, 0.4408, 0.3667



33.1574, 0.4255, 0.4128



33.1574, 0.3798, 0.4433

Triad

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



33.1574, 0.4255, 0.4128



33.1574, 0.2167, 0.3276



33.1574, 0.2959, 0.2429

Complementary

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



33.1574, 0.4255, 0.4128



21.4262, 0.2200, 0.2232

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.



33.1574, 0.2411, 0.2295



33.1574, 0.4255, 0.4128



33.1574, 0.1994, 0.2707

Square

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



33.1574, 0.4255, 0.4128



33.1574, 0.2592, 0.3941



33.1574, 0.2079, 0.2378



33.1574, 0.3617, 0.2742

Rectangle

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



33.1574, 0.4255, 0.4128



33.1574, 0.3397, 0.4456



33.1574, 0.2079, 0.2378



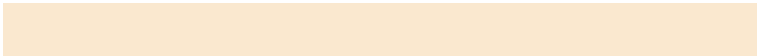
33.1574, 0.2757, 0.2362

Sweetspot

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



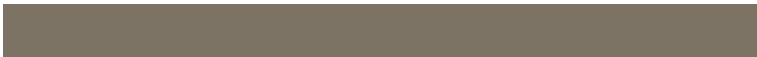
33.1590, 0.4255, 0.4128



82.7539, 0.3412, 0.3544



19.2722, 0.4076, 0.2695



17.4549, 0.3449, 0.3575



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.1590, 0.4255, 0.4128



53.4415, 0.4553, 0.4260



48.9447, 0.3846, 0.4659



11.0390, 0.3275, 0.3425



15.6118, 0.5141, 0.4300



0.8077, 0.4875, 0.4511

Inverse Universe

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



21.4262, 0.2200, 0.2232



30.4380, 0.2011, 0.1945



12.5235, 0.2118, 0.1531



10.4153, 0.2984, 0.3151



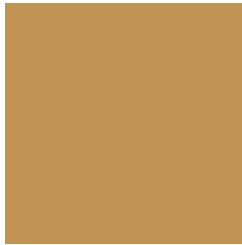
6.4903, 0.1700, 0.1318



0.4161, 0.1825, 0.1768

Previews

White Background



This preview shows how the Yxy color 33.1574, 0.4255, 0.4128 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 33.1574, 0.4255, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

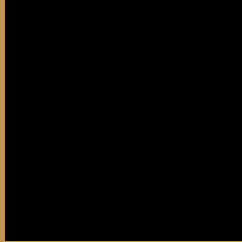
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1574, 0.4255, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 33.1574, 0.4255, 0.4128.



This preview shows how white text looks on a background with the Yxy color 33.1574, 0.4255, 0.4128.

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

33.1574, 0.4255, 0.4128

Protanopia

33.2357, 0.3942, 0.4279

Deuteranopia

33.2114, 0.4226, 0.4148



Tritanopia

32.9963, 0.3647, 0.3146

Trichromacy



Original Color

33.1574, 0.4255, 0.4128

Protanomaly

33.1576, 0.4059, 0.4220

Deuteranomaly

33.3415, 0.4237, 0.4144

Tritanomaly

32.9130, 0.3881, 0.3507

Monochromacy



Original Color

33.1574, 0.4255, 0.4128

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3663, 0.3518, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1574, 0.4255, 0.4128 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(193, 148, 84)` looks like.

```
.text, #text, p{  
    color:rgb(193, 148, 84)  
}
```

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(193, 148, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 148, 84) }
```

Border

The CSS property to change the border of an element to Yxy 33.1574, 0.4255, 0.4128 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(193, 148, 84) }
```

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

```
.border{ border-color:rgb(193, 148, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 148, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 148, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 148, 84);  
box-shadow:4px 4px 4px 4px rgb(193, 148,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1574, 0.4255, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 148, 84) }
```

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

```
.background{ background-color: rgb(193,  
148, 84) }
```

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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