

Converting Colors

$Y_{xy}(33.3613, 0.4673, 0.3862)$

Have a look what the booklet for
Yxy(33.3613, 0.4673, 0.3862)
contains.

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Color

Yxy(33.2199, 0.4672, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	DE8654
RGB	222, 134, 84
RGB Percent	87%, 53%, 33%
CMY	0.1294, 0.4745, 0.6705
CMYK	0.00, 0.40, 0.62, 0.13
HSL	22°, 68%, 60%
HSV	22°, 62%, 87%
XYZ	40.2498, 33.2199, 12.6815
YIQ	154.6120, 68.4980, 3.1060

Conversions

Conversions Part 2

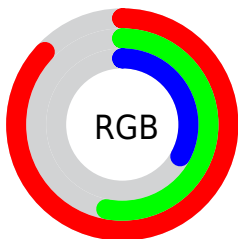
Format	Color
RYB	222, 162, 84
Decimal	14583380
CIELab	64.34, 29.19, 40.84
CIElCh	64, 50.200, 54.451
Yxy	33.2199, 0.4672, 0.3856
Android (android.graphics.Color)	4292773460 (0xFFDE8654)
YUV	154.6120, -34.8117, 59.0993
Hunter-Lab	57.6367, 23.7889, 27.3005

Details

The Yxy color **33.2199, 0.4672, 0.3856** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **36.6683, 0.2213, 0.2568**, and the grayscale version is **32.7336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9757, 0.4142, 0.3841**, and **13.9953, 0.5128, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **29.2718, 0.5015, 0.3895**, and if you desaturate by 10%, it is **37.8056, 0.4341, 0.3786**.

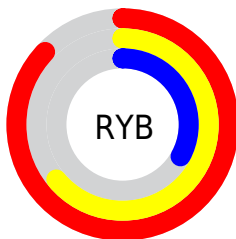
Distribution



Red (87%)

Green (53%)

Blue (33%)



Red (87%)

Yellow (64%)

Blue (33%)

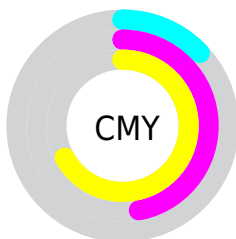


Cyan (0%)

Magenta (40%)

Yellow (62%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2199, 0.4672, 0.3856 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 33.2199, 0.4672, 0.3856 by changing the saturation by 10% instead.


 33.2199, 0.4672,
0.3856


 33.2199, 0.4672,
0.3856


316.6394, 0.3866,
0.3619

 22.2950, 0.4873,
0.3891


 64.7187, 0.4377,
0.3786


 14.0738, 0.5125,
0.3919


 86.0613, 0.4266,
0.3754

 8.1720, 0.5444,
0.3922


 111.6453, 0.4173,
0.3726

 4.2052, 0.5978,
0.3949

 141.8551, 0.4093,
0.3700

 1.7890, 0.6350,
0.3650

 177.0750, 0.4025,
0.3676

 0.4803, 0.7164,
0.2836

217.6894, 0.3965,

 0.0000, 1.0000,

0.3655

0.0000

264.0828, 0.3913,
0.3636

0.0000, 0.0000,
0.0000

33.2199, 0.4672,
0.3856

33.2199, 0.4672,
0.3856

29.2718, 0.5015,
0.3895

37.8056, 0.4341,
0.3786

25.9246, 0.5345,
0.3890

43.0526, 0.4037,
0.3696


23.1451, 0.5633,
0.3833


48.9896, 0.3768,
0.3598


21.3294, 0.5821,
0.3760

55.6419, 0.3533,
0.3498

63.0334, 0.3332,
0.3401

 71.1869, 0.3161,
0.3309

 80.1240, 0.3015,
0.3224

 89.4321, 0.2927,
0.3211

 94.2694, 0.2929,
0.3289

Harmonies

Analogous

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



33.2199, 0.4524, 0.3282



33.2199, 0.4672, 0.3856



33.2199, 0.4355, 0.4395

Triad

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



33.2199, 0.4672, 0.3856



33.2199, 0.2314, 0.3885



33.2199, 0.2412, 0.2131

Complementary

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



33.2199, 0.4672, 0.3856



36.6683, 0.2213, 0.2568

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.



33.2199, 0.1957, 0.2149



33.2199, 0.4672, 0.3856



33.2199, 0.1897, 0.3051

Square

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



33.2199, 0.4672, 0.3856



33.2199, 0.2982, 0.4571



33.2199, 0.1783, 0.2443



33.2199, 0.3117, 0.2347

Rectangle

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



33.2199, 0.4672, 0.3856



33.2199, 0.3961, 0.4654



33.2199, 0.1783, 0.2443



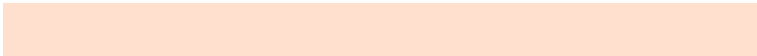
33.2199, 0.2230, 0.2109

Sweetspot

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



33.2216, 0.4672, 0.3856



79.1096, 0.3469, 0.3468



24.9172, 0.3775, 0.2299



16.3301, 0.3531, 0.3497



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.



33.2216, 0.4672, 0.3856



38.4126, 0.5131, 0.3899



58.0837, 0.4129, 0.4552



14.5094, 0.3283, 0.3375



12.8623, 0.5795, 0.3781



1.0576, 0.5501, 0.4014

Inverse Universe

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



36.6683, 0.2213, 0.2568



43.2986, 0.2069, 0.2380



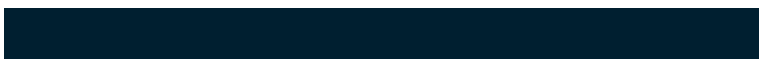
17.2046, 0.1982, 0.1559



14.6935, 0.2981, 0.3203



14.7664, 0.1906, 0.2063



1.1917, 0.1965, 0.2273

Previews

White Background



This preview shows how the Yxy color 33.2199, 0.4672, 0.3856 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 33.2199, 0.4672, 0.3856 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 33.2199, 0.4672, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 33.2199, 0.4672, 0.3856.



This preview shows how white text looks on a background with the Yxy color 33.2199, 0.4672, 0.3856.

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

33.2199, 0.4672, 0.3856

Protanopia

33.2076, 0.3888, 0.4217

Deuteranopia

33.2954, 0.4263, 0.4178



Tritanopia

33.2520, 0.4148, 0.3187

Trichromacy



Original Color

33.2199, 0.4672, 0.3856

Protanomaly

32.8482, 0.4178, 0.4081

Deuteranomaly

33.2522, 0.4412, 0.4061

Tritanomaly

33.1206, 0.4355, 0.3435

Monochromacy



Original Color

33.2199, 0.4672, 0.3856

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.0361, 0.3656, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2199, 0.4672, 0.3856 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(222, 134, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 134, 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(222, 134, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 134, 84) }
```

Border

The CSS property to change the border of an element to Yxy 33.2199, 0.4672, 0.3856 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(222, 134, 84) }
```

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

```
.border{ border-color:rgb(222, 134, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 134, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 134, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 134, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 134,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2199, 0.4672, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 134, 84) }
```

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

```
.background{ background-color: rgb(222,  
134, 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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