

Converting Colors

$Y_{xy}(34.4934, 0.4445, 0.3718)$

Have a look what the booklet for
Yxy(34.4934, 0.4445, 0.3718)
contains.

Yxy(34.5084, 0.4448, 0.3716)	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(34.5084, 0.4448, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	DD8A66
RGB	221, 138, 102
RGB Percent	87%, 54%, 40%
CMY	0.1333, 0.4588, 0.6001
CMYK	0.00, 0.38, 0.54, 0.13
HSL	18°, 64%, 63%
HSV	18°, 54%, 87%
XYZ	41.3061, 34.5084, 17.0499
YIQ	158.7130, 61.0240, 6.4000

Conversions

Conversions Part 2

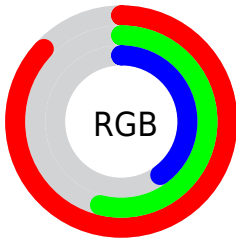
Format	Color
RYB	221, 154, 102
Decimal	14518886
CIELab	65.36, 28.02, 32.48
CIELCh	65, 42.900, 49.218
Yxy	34.5084, 0.4448, 0.3716
Android (android.graphics.Color)	4292708966 (0xFFDD8A66)
YUV	158.7130, -27.9595, 54.6257
Hunter-Lab	58.7439, 22.7115, 23.9123

Details

The Yxy color **34.5084, 0.4448, 0.3716** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.7366, 0.2339, 0.2786**, and the grayscale version is **34.6427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2924, 0.3968, 0.3689**, and **14.7641, 0.4855, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **30.0153, 0.4808, 0.3768**, and if you desaturate by 10%, it is **39.7494, 0.4119, 0.3644**.

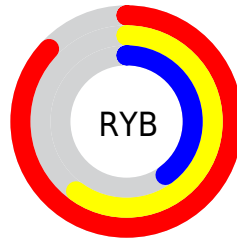
Distribution



Red (87%)

Green (54%)

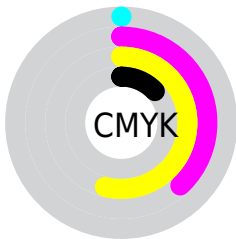
Blue (40%)



Red (87%)

Yellow (60%)

Blue (40%)

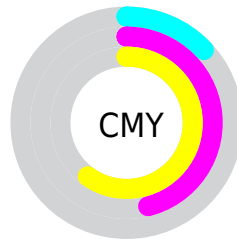


Cyan (0%)

Magenta (38%)

Yellow (54%)

Black (13%)



Cyan (13%)


Magenta (46%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5084, 0.4448, 0.3716 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 34.5084, 0.4448, 0.3716 by changing the saturation by 10% instead.


 34.5084, 0.4448,
0.3716


 34.5084, 0.4448,
0.3716


322.3931, 0.3755,
0.3533


 23.2844, 0.4626,
0.3747


 66.7235, 0.4191,
0.3659

 14.8037, 0.4855,
0.3776


 88.4834, 0.4096,
0.3635

 8.6817, 0.5157,
0.3794


 114.5241, 0.4016,
0.3613

 4.5342, 0.5566,
0.3779

 145.2300, 0.3948,
0.3593

 1.9766, 0.6258,
0.3742

180.9854, 0.3889,
0.3576

 0.5938, 0.6893,
0.3107

222.1748, 0.3839,

 0.0000, 1.0000,

0.3560

0.0000

269.1826, 0.3794,
0.3546

■ 0.0000, 0.0000,
0.0000

■ 34.5084, 0.4448,
0.3716

■ 34.5084, 0.4448,
0.3716

■ 30.0153, 0.4808,
0.3768

■ 39.7494, 0.4119,
0.3644

■ 26.2292, 0.5179,
0.3789

■ 45.7663, 0.3828,
0.3563

■ 23.1125, 0.5531,
0.3766

■ 52.5919, 0.3579,
0.3479

■ 20.6215, 0.5826,
0.3696

■ 60.2556, 0.3367,
0.3396

■ 19.3733, 0.5975,
0.3638

■ 68.7851, 0.3188,
0.3319

■ 78.2070, 0.3038,
0.3246

■ 88.4373, 0.2920,
0.3197

■ 94.1129, 0.2923,
0.3289

Harmonies

Analogous

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



34.5084, 0.4240, 0.3214



34.5084, 0.4448, 0.3716



34.5084, 0.4256, 0.4184

Triad

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



34.5084, 0.4448, 0.3716



34.5084, 0.2529, 0.3907



34.5084, 0.2431, 0.2272

Complementary

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



34.5084, 0.4448, 0.3716



42.7366, 0.2339, 0.2786

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.



34.5084, 0.2071, 0.2336



34.5084, 0.4448, 0.3716



34.5084, 0.2115, 0.3216

Square

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



34.5084, 0.4448, 0.3716



34.5084, 0.3131, 0.4409



34.5084, 0.1962, 0.2650



34.5084, 0.3009, 0.2427

Rectangle

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



34.5084, 0.4448, 0.3716



34.5084, 0.3952, 0.4413



34.5084, 0.1962, 0.2650



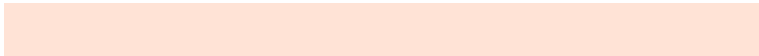
34.5084, 0.2285, 0.2268

Sweetspot

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



34.5101, 0.4448, 0.3716



80.8162, 0.3412, 0.3415



28.3882, 0.3583, 0.2346



16.8185, 0.3455, 0.3432



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.



34.5101, 0.4448, 0.3716



40.5700, 0.4870, 0.3774



56.3557, 0.4040, 0.4359



13.6908, 0.3284, 0.3361



11.4286, 0.5947, 0.3660



0.8897, 0.5624, 0.3916

Inverse Universe

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



42.7366, 0.2339, 0.2786



52.9418, 0.2206, 0.2655



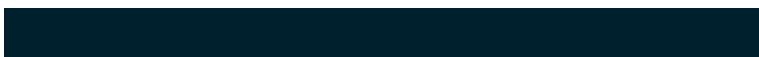
22.9125, 0.2158, 0.1904



14.1297, 0.2982, 0.3218



16.6888, 0.1966, 0.2277



1.2300, 0.2017, 0.2462

Previews

White Background



This preview shows how the Yxy color 34.5084, 0.4448, 0.3716 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 34.5084, 0.4448, 0.3716 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 34.5084, 0.4448, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 34.5084, 0.4448, 0.3716.



This preview shows how white text looks on a background with the Yxy color 34.5084, 0.4448, 0.3716.

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

34.5084, 0.4448, 0.3716

Protanopia

34.6927, 0.3718, 0.4003

Deuteranopia

34.5638, 0.4076, 0.4000



Tritanopia

34.5753, 0.4055, 0.3186

Trichromacy



Original Color

34.5084, 0.4448, 0.3716

Protanomaly

34.1419, 0.3983, 0.3891

Deuteranomaly

34.4840, 0.4217, 0.3893

Tritanomaly

34.5482, 0.4210, 0.3388

Monochromacy



Original Color

34.5084, 0.4448, 0.3716

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9133, 0.3580, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5084, 0.4448, 0.3716 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(221, 138, 102)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 138, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 138, 102) }
```

Border

The CSS property to change the border of an element to Yxy 34.5084, 0.4448, 0.3716 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(221, 138, 102) }
```

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

```
.border{ border-color:rgb(221, 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(221, 138, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(221, 138,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5084, 0.4448, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 138, 102) }
```

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

```
.background{ background-color: rgb(221,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor