

Converting Colors

$Y_{xy}(34.8684, 0.4420, 0.3680)$

Have a look what the booklet for
Yxy(34.8684, 0.4420, 0.3680)
contains.

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Color

Yxy(34.7265, 0.4426, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	DE8A69
RGB	222, 138, 105
RGB Percent	87%, 54%, 41%
CMY	0.1294, 0.4588, 0.5881
CMYK	0.00, 0.38, 0.53, 0.13
HSL	17°, 64%, 64%
HSV	17°, 53%, 87%
XYZ	41.7662, 34.7265, 17.8728
YIQ	159.3540, 60.6570, 7.5450

Conversions

Conversions Part 2

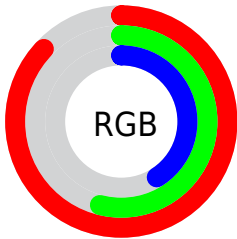
Format	Color
R _Y B	222, 151, 105
Decimal	14584425
CIE Lab	65.54, 28.69, 31.07
CIE LCh	66, 42.288, 47.286
Yxy	34.7265, 0.4426, 0.3680
Android (android.graphics.Color)	4292774505 (0xFFDE8A69)
YUV	159.3540, -26.7965, 54.9405
Hunter-Lab	58.9292, 23.3861, 23.2682

Details

The Yxy color **34.7265, 0.4426, 0.3680** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.6914, 0.2360, 0.2834**, and the grayscale version is **34.9476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3936, 0.3943, 0.3658**, and **14.8983, 0.4827, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **30.0856, 0.4792, 0.3730**, and if you desaturate by 10%, it is **40.1616, 0.4094, 0.3612**.

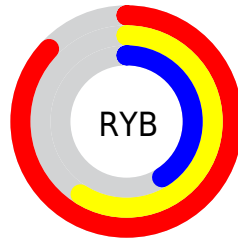
Distribution



Red (87%)

Green (54%)

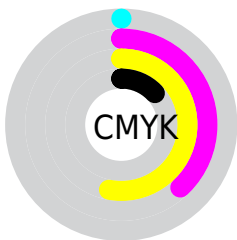
Blue (41%)



Red (87%)

Yellow (59%)

Blue (41%)

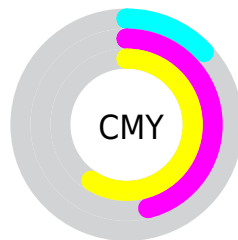


Cyan (0%)

Magenta (38%)

Yellow (53%)

Black (13%)



Cyan (13%)

Magenta (46%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7265, 0.4426, 0.3680 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 34.7265, 0.4426, 0.3680 by changing the saturation by 10% instead.


 34.7265, 0.4426,
0.3680


 34.7265, 0.4426,
0.3680


323.3595, 0.3744,
0.3514

 23.4523, 0.4602,
0.3708


 67.0619, 0.4173,
0.3629


 14.9278, 0.4829,
0.3734


 88.8918, 0.4079,
0.3607

 8.7687, 0.5129,
0.3749


 115.0090, 0.4000,
0.3587

 4.5906, 0.5535,
0.3729

 145.7981, 0.3934,
0.3569

 2.0091, 0.6280,
0.3720

181.6432, 0.3876,
0.3553

 0.6128, 0.6900,
0.3100

222.9289, 0.3826,

 0.0000, 1.0000,

0.3539

0.0000

270.0395, 0.3782,
0.3526

■ 0.0000, 0.0000,
0.0000

■ 34.7265, 0.4426,
0.3680

■ 34.7265, 0.4426,
0.3680

■ 30.0856, 0.4792,
0.3730

■ 40.1616, 0.4094,
0.3612

■ 26.1951, 0.5173,
0.3751

■ 46.4216, 0.3803,
0.3535

■ 23.0146, 0.5537,
0.3731

■ 53.5417, 0.3555,
0.3457

■ 20.4968, 0.5846,
0.3666

■ 61.5535, 0.3345,
0.3381

■ 19.0393, 0.6025,
0.3598

■ 70.4871, 0.3169,
0.3309

■ 80.3708, 0.3022,
0.3242

■ 90.8771, 0.2927,
0.3235

■ 94.2714, 0.2929,
0.3289

Harmonies

Analogous

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



34.7265, 0.4196, 0.3185



34.7265, 0.4426, 0.3680



34.7265, 0.4262, 0.4146

Triad

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



34.7265, 0.4426, 0.3680



34.7265, 0.2573, 0.3937



34.7265, 0.2412, 0.2284

Complementary

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



34.7265, 0.4426, 0.3680



44.6914, 0.2360, 0.2834

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.



34.7265, 0.2072, 0.2362



34.7265, 0.4426, 0.3680



34.7265, 0.2149, 0.3261

Square

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



34.7265, 0.4426, 0.3680



34.7265, 0.3173, 0.4407



34.7265, 0.1980, 0.2689



34.7265, 0.2970, 0.2424

Rectangle

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



34.7265, 0.4426, 0.3680



34.7265, 0.3974, 0.4379



34.7265, 0.1980, 0.2689



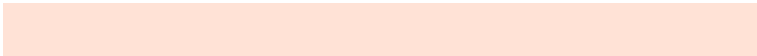
34.7265, 0.2272, 0.2284

Sweetspot

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



34.7283, 0.4426, 0.3680



80.3546, 0.3413, 0.3406



29.3933, 0.3524, 0.2324



16.7094, 0.3456, 0.3422



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.



34.7283, 0.4426, 0.3680



40.7223, 0.4822, 0.3733



55.4543, 0.4044, 0.4302



14.3264, 0.3285, 0.3357



11.4707, 0.5999, 0.3619



0.9443, 0.5694, 0.3861

Inverse Universe

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



44.6914, 0.2360, 0.2834



55.5738, 0.2237, 0.2722



24.8695, 0.2191, 0.1995



14.8852, 0.2982, 0.3222



18.1463, 0.1986, 0.2350



1.4071, 0.2031, 0.2512

Previews

White Background



This preview shows how the Yxy color 34.7265, 0.4426, 0.3680 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 34.7265, 0.4426, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

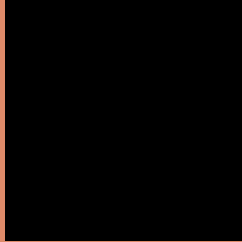
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7265, 0.4426, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 34.7265, 0.4426, 0.3680.



This preview shows how white text looks on a background with the Yxy color 34.7265, 0.4426, 0.3680.

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

34.7265, 0.4426, 0.3680

Protanopia

34.7818, 0.3681, 0.3946

Deuteranopia

34.9482, 0.4041, 0.3975



Tritanopia

34.7658, 0.4054, 0.3174

Trichromacy



Original Color

34.7265, 0.4426, 0.3680

Protanomaly

34.2281, 0.3943, 0.3838

Deuteranomaly

34.8556, 0.4181, 0.3869

Tritanomaly

34.7602, 0.4197, 0.3364

Monochromacy



Original Color

34.7265, 0.4426, 0.3680

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9424, 0.3570, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7265, 0.4426, 0.3680 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, 138, 105)` looks like.

```
.text, #text, p{  
    color:rgb(222, 138, 105)  
}
```

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, 138, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 138, 105) }
```

Border

The CSS property to change the border of an element to Yxy 34.7265, 0.4426, 0.3680 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, 138, 105) }
```

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

```
.border{ border-color:rgb(222, 138, 105) }
```

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

Here you see how a box with a 4 pixel rgb(222, 138, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 138, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 138, 105);  
box-shadow:4px 4px 4px 4px rgb(222, 138,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7265, 0.4426, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 138, 105) }
```

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

```
.background{ background-color: rgb(222,  
138, 105) }
```

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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