

Converting Colors

$Y_{xy}(34.4896, 0.4722, 0.3849)$

Have a look what the booklet for
Yxy(34.4896, 0.4722, 0.3849)
contains.

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Color

Yxy(34.4620, 0.4720, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	E48754
RGB	228, 135, 84
RGB Percent	89%, 53%, 33%
CMY	0.1059, 0.4706, 0.6706
CMYK	0.00, 0.41, 0.63, 0.11
HSL	21°, 73%, 61%
HSV	21°, 63%, 89%
XYZ	42.2605, 34.4620, 12.8125
YIQ	156.9930, 71.7990, 3.8550

Conversions

Conversions Part 2

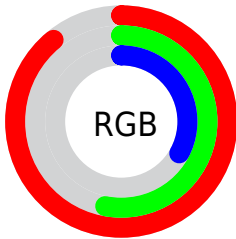
Format	Color
R _Y B	228, 163, 84
Decimal	14976852
CIE Lab	65.33, 31.07, 42.21
CIE LCh	65, 52.417, 53.643
Yxy	34.4620, 0.4720, 0.3849
Android (android.graphics.Color)	4293166932 (0xFFE48754)
YUV	156.9930, -35.9855, 62.2731
Hunter-Lab	58.7043, 25.7672, 28.1528

Details

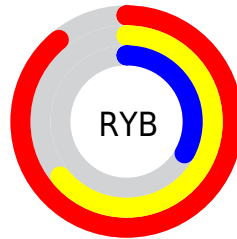
The Yxy color **34.4620, 0.4720, 0.3849** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.9333, 0.2204, 0.2570**, and the grayscale version is **33.8555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4045, 0.4137, 0.3851**, and **14.7929, 0.5179, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **30.3337, 0.5067, 0.3882**, and if you desaturate by 10%, it is **39.2784, 0.4383, 0.3783**.

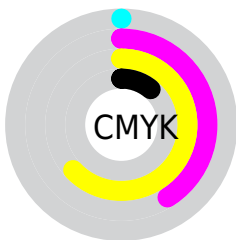
Distribution



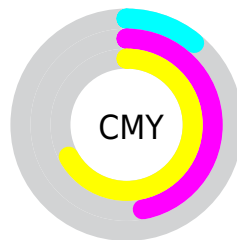
- Red (89%)
- Green (53%)
- Blue (33%)



- Red (89%)
- Yellow (64%)
- Blue (33%)



- Cyan (0%)
- Magenta (41%)
- Yellow (63%)
- Black (11%)





- Cyan (11%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4620, 0.4720, 0.3849 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 34.4620, 0.4720, 0.3849 by changing the saturation by 10% instead.

 34.4620, 0.4720,
0.3849


 34.4620, 0.4720,
0.3849


322.1872, 0.3895,
0.3622


 23.2487, 0.4923,
0.3880


 66.6515, 0.4420,
0.3784


 14.7773, 0.5177,
0.3902


 88.3965, 0.4306,
0.3753

 8.6632, 0.5495,
0.3898

 114.4209, 0.4211,
0.3726

 4.5222, 0.6009,
0.3903

 145.1090, 0.4129,
0.3701

 1.9697, 0.6389,
0.3611

 180.8453, 0.4059,
0.3678

 0.5898, 0.7058,
0.2942

222.0142, 0.3997,

 0.0000, 1.0000,

0.3657

0.0000

269.0000, 0.3943,
0.3639

0.0000, 0.0000,
0.0000

34.4620, 0.4720,
0.3849

34.4620, 0.4720,
0.3849

30.3337, 0.5067,
0.3882

39.2784, 0.4383,
0.3783

26.8534, 0.5399,
0.3870

44.8097, 0.4072,
0.3697

23.9836, 0.5683,
0.3806

51.0874, 0.3797,
0.3602

22.3426, 0.5846,
0.3740

58.1394, 0.3557,
0.3504

65.9922, 0.3352,
0.3408

■ 74.6709, 0.3177,
0.3317

■ 84.1993, 0.3028,
0.3233

■ 93.8437, 0.2964,
0.3268

■ 95.2348, 0.2964,
0.3290

Harmonies

Analogous

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



34.4620, 0.4557, 0.3262



34.4620, 0.4720, 0.3849



34.4620, 0.4401, 0.4408

Triad

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



34.4620, 0.4720, 0.3849



34.4620, 0.2304, 0.3928



34.4620, 0.2375, 0.2098

Complementary

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



34.4620, 0.4720, 0.3849



38.9333, 0.2204, 0.2570

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.



34.4620, 0.1918, 0.2122



34.4620, 0.4720, 0.3849



34.4620, 0.1870, 0.3061

Square

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



34.4620, 0.4720, 0.3849



34.4620, 0.2994, 0.4629



34.4620, 0.1747, 0.2429



34.4620, 0.3093, 0.2314

Rectangle

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



34.4620, 0.4720, 0.3849



34.4620, 0.3998, 0.4685



34.4620, 0.1747, 0.2429



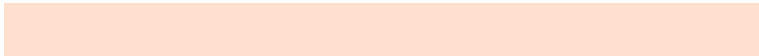
34.4620, 0.2191, 0.2078

Sweetspot

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



34.4638, 0.4720, 0.3849



78.8980, 0.3470, 0.3465



26.0346, 0.3791, 0.2287



16.2794, 0.3531, 0.3492



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.



34.4638, 0.4720, 0.3849



37.5207, 0.5180, 0.3883



61.4728, 0.4145, 0.4569



15.1989, 0.3284, 0.3374



13.1034, 0.5818, 0.3762



1.1384, 0.5539, 0.3984

Inverse Universe

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



38.9333, 0.2204, 0.2570



43.4899, 0.2066, 0.2388



17.7134, 0.1961, 0.1526



15.4324, 0.2981, 0.3205



15.5605, 0.1914, 0.2090



1.3233, 0.1968, 0.2285

Previews

White Background



This preview shows how the Yxy color 34.4620, 0.4720, 0.3849 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 34.4620, 0.4720, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

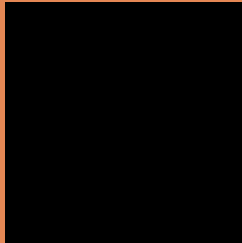
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4620, 0.4720, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 34.4620, 0.4720, 0.3849.



This preview shows how white text looks on a background with the Yxy color 34.4620, 0.4720, 0.3849.

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

34.4620, 0.4720, 0.3849

Protanopia

34.5677, 0.3901, 0.4243

Deuteranopia

34.4482, 0.4297, 0.4196



Tritanopia

34.2622, 0.4199, 0.3178

Trichromacy



Original Color

34.4620, 0.4720, 0.3849

Protanomaly

34.0033, 0.4205, 0.4090

Deuteranomaly

34.2548, 0.4463, 0.4064

Tritanomaly

34.3636, 0.4409, 0.3442

Monochromacy



Original Color

34.4620, 0.4720, 0.3849

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.1739, 0.3681, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4620, 0.4720, 0.3849 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(228, 135, 84)` looks like.

```
.text, #text, p{  
    color:rgb(228, 135, 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(228, 135, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 135, 84) }
```

Border

The CSS property to change the border of an element to Yxy 34.4620, 0.4720, 0.3849 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(228, 135, 84) }
```

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

```
.border{ border-color:rgb(228, 135, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 135, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 135, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 135, 84);  
box-shadow:4px 4px 4px 4px rgb(228, 135,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4620, 0.4720, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 135, 84) }
```

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

```
.background{ background-color: rgb(228,  
135, 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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