

Converting Colors

$Yxy(34.4386, 0.4742, 0.3808)$

Have a look what the booklet for
Yxy(34.4386, 0.4742, 0.3808)
contains.

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Color

Yxy(34.2699, 0.4737, 0.3802)

Conversions

Conversions Part 1

Format	Color
Hex	E68556
RGB	230, 133, 86
RGB Percent	90%, 52%, 34%
CMY	0.0981, 0.4784, 0.6627
CMYK	0.00, 0.42, 0.63, 0.10
HSL	20°, 74%, 62%
HSV	20°, 63%, 90%
XYZ	42.6977, 34.2699, 13.1689
YIQ	156.6450, 72.8990, 5.9470

Conversions

Conversions Part 2

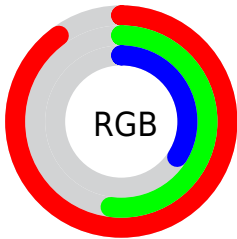
Format	Color
R _Y B	230, 156, 86
Decimal	15107414
CIE Lab	65.18, 33.04, 41.05
CIE LCh	65, 52.695, 51.174
Yxy	34.2699, 0.4737, 0.3802
Android (android.graphics.Color)	4293297494 (0xFFE68556)
YUV	156.6450, -34.8280, 64.3323
Hunter-Lab	58.5405, 27.7466, 27.6408

Details

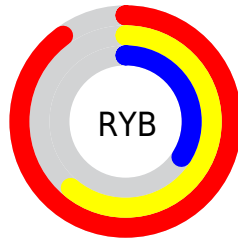
The Yxy color **34.2699, 0.4737, 0.3802** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.5491, 0.2224, 0.2636**, and the grayscale version is **33.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6068, 0.4131, 0.3811**, and **14.7206, 0.5209, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **30.0249, 0.5098, 0.3831**, and if you desaturate by 10%, it is **39.2632, 0.4389, 0.3741**.

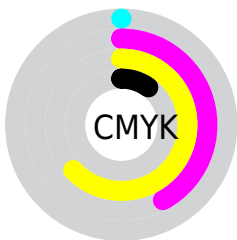
Distribution



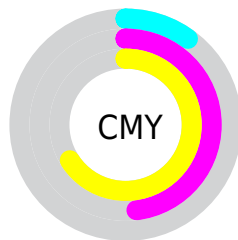
- Red (90%)
- Green (52%)
- Blue (34%)



- Red (90%)
- Yellow (61%)
- Blue (34%)



- Cyan (0%)
- Magenta (42%)
- Yellow (63%)
- Black (10%)





- Cyan (10%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2699, 0.4737, 0.3802 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 34.2699, 0.4737, 0.3802 by changing the saturation by 10% instead.


 34.2699, 0.4737,
0.3802


 34.2699, 0.4737,
0.3802


321.3339, 0.3901,
0.3599


 23.1010, 0.4944,
0.3828


 66.3532, 0.4432,
0.3745


 14.6681, 0.5204,
0.3843


 88.0363, 0.4317,
0.3718


 8.5868, 0.5533,
0.3830


 113.9931, 0.4220,
0.3694

 4.4727, 0.6047,
0.3812

 144.6078, 0.4137,
0.3671

 1.9413, 0.6476,
0.3524

 180.2648, 0.4066,
0.3650

 0.5730, 0.7182,
0.2818

221.3485, 0.4004,

 0.0000, 1.0000,

0.3632

0.0000

268.2434, 0.3949,
0.3614

0.0000, 0.0000,
0.0000

34.2699, 0.4737,
0.3802

34.2699, 0.4737,
0.3802

30.0249, 0.5098,
0.3831

39.2632, 0.4389,
0.3741

26.4836, 0.5444,
0.3817

45.0355, 0.4071,
0.3662

23.6042, 0.5740,
0.3753

51.6217, 0.3791,
0.3573

21.8652, 0.5919,
0.3682

59.0534, 0.3549,
0.3482

67.3600, 0.3342,
0.3394

■ 76.5696, 0.3168,
0.3311

■ 86.7090, 0.3021,
0.3233

■ 95.5610, 0.2976,
0.3290

Harmonies

Analogous

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



34.2699, 0.4530, 0.3213



34.2699, 0.4737, 0.3802



34.2699, 0.4450, 0.4372

Triad

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



34.2699, 0.4737, 0.3802



34.2699, 0.2347, 0.4005



34.2699, 0.2321, 0.2084

Complementary

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



34.2699, 0.4737, 0.3802



41.5491, 0.2224, 0.2636

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.



34.2699, 0.1886, 0.2128



34.2699, 0.4737, 0.3802



34.2699, 0.1886, 0.3125

Square

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



34.2699, 0.4737, 0.3802



34.2699, 0.3056, 0.4675



34.2699, 0.1738, 0.2462



34.2699, 0.3026, 0.2282

Rectangle

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



34.2699, 0.4737, 0.3802



34.2699, 0.4059, 0.4667



34.2699, 0.1738, 0.2462



34.2699, 0.2144, 0.2070

Sweetspot

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



34.2717, 0.4737, 0.3802



78.1815, 0.3473, 0.3451



26.9544, 0.3720, 0.2246



16.1080, 0.3535, 0.3477



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.



34.2717, 0.4737, 0.3802



36.5981, 0.5198, 0.3832



60.4844, 0.4170, 0.4520



15.1326, 0.3284, 0.3367



12.5785, 0.5891, 0.3705



1.0940, 0.5606, 0.3931

Inverse Universe

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



41.5491, 0.2224, 0.2636



46.2466, 0.2094, 0.2475



19.3681, 0.1986, 0.1605



15.5016, 0.2981, 0.3211



16.7207, 0.1942, 0.2189



1.4031, 0.1991, 0.2369

Previews

White Background



This preview shows how the Yxy color 34.2699, 0.4737, 0.3802 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 34.2699, 0.4737, 0.3802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

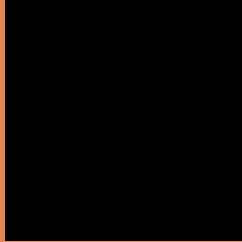
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2699, 0.4737, 0.3802

Background



This preview shows how black text looks on a background with the Yxy color 34.2699, 0.4737, 0.3802.



This preview shows how white text looks on a background with the Yxy color 34.2699, 0.4737, 0.3802.

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

34.2699, 0.4737, 0.3802

Protanopia

34.6212, 0.3875, 0.4203

Deuteranopia

34.3445, 0.4269, 0.4178



Tritanopia

34.2800, 0.4248, 0.3191

Trichromacy



Original Color

34.2699, 0.4737, 0.3802

Protanomaly

34.0547, 0.4177, 0.4055

Deuteranomaly

33.9809, 0.4454, 0.4031

Tritanomaly

34.1643, 0.4442, 0.3418

Monochromacy



Original Color

34.2699, 0.4737, 0.3802

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0088, 0.3685, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2699, 0.4737, 0.3802 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(230, 133, 86)` looks like.

```
.text, #text, p{  
    color:rgb(230, 133, 86)  
}
```

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(230, 133, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 133, 86) }
```

Border

The CSS property to change the border of an element to Yxy 34.2699, 0.4737, 0.3802 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(230, 133, 86) }
```

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

```
.border{ border-color:rgb(230, 133, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 133, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 133, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 133, 86);  
box-shadow:4px 4px 4px 4px rgb(230, 133,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2699, 0.4737, 0.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 133, 86) }
```

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

```
.background{ background-color: rgb(230,  
133, 86) }
```

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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