

Converting Colors

$Y_{xy}(34.5847, 0.4650, 0.3720)$

Have a look what the booklet for
Yxy(34.5847, 0.4650, 0.3720)
contains.

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Color

Yxy(34.4243, 0.4647, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	E6855F
RGB	230, 133, 95
RGB Percent	90%, 52%, 37%
CMY	0.0981, 0.4784, 0.6274
CMYK	0.00, 0.42, 0.59, 0.10
HSL	17°, 73%, 64%
HSV	17°, 59%, 90%
XYZ	43.0837, 34.4243, 15.2049
YIQ	157.6710, 70.0100, 8.7460

Conversions

Conversions Part 2

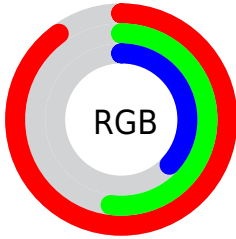
Format	Color
R_{YB}	230, 148, 95
Decimal	15107423
CIE _{Lab}	65.30, 33.66, 36.41
CIE _{LCh}	65, 49.585, 47.242
Yxy	34.4243, 0.4647, 0.3713
Android (android.graphics.Color)	4293297503 (0xFFE6855F)
YUV	157.6710, -30.8968, 63.4325
Hunter-Lab	58.6722, 28.3982, 25.7055

Details

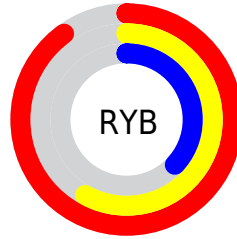
The Yxy color **34.4243, 0.4647, 0.3713** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **45.8426, 0.2288, 0.2772**, and the grayscale version is **34.1562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8760, 0.4057, 0.3720**, and **14.7859, 0.5106, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **29.8927, 0.5026, 0.3747**, and if you desaturate by 10%, it is **39.7947, 0.4292, 0.3655**.

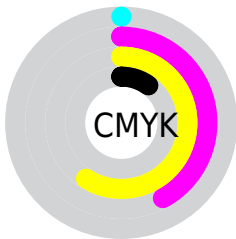
Distribution



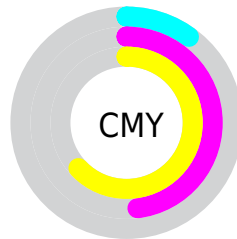
- Red (90%)
- Green (52%)
- Blue (37%)



- Red (90%)
- Yellow (58%)
- Blue (37%)



- Cyan (0%)
- Magenta (42%)
- Yellow (59%)
- Black (10%)





- Cyan (10%)
- Magenta (48%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4243, 0.4647, 0.3713 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 34.4243, 0.4647, 0.3713 by changing the saturation by 10% instead.


 34.4243, 0.4647,
0.3713

 34.4243, 0.4647,
0.3713


322.0199, 0.3852,
0.3546


 23.2197, 0.4848,
0.3734


 66.5929, 0.4354,
0.3666


 14.7559, 0.5104,
0.3747


 88.3258, 0.4245,
0.3644

 8.6482, 0.5434,
0.3737


 114.3370, 0.4153,
0.3624

 4.5124, 0.5897,
0.3690

 145.0107, 0.4075,
0.3605

 1.9641, 0.6497,
0.3503

180.7315, 0.4008,
0.3588

 0.5865, 0.7191,
0.2809

221.8837, 0.3949,

 0.0000, 1.0000,

0.3573

0.0000

268.8517, 0.3898,
0.3559

0.0000, 0.0000,
0.0000

34.4243, 0.4647,
0.3713

34.4243, 0.4647,
0.3713

29.8927, 0.5026,
0.3747

39.7947, 0.4292,
0.3655

26.1502, 0.5402,
0.3744

46.0395, 0.3975,
0.3582

23.1495, 0.5738,
0.3695

53.1985, 0.3701,
0.3504

20.8316, 0.5998,
0.3607

61.3074, 0.3468,
0.3426

20.5716, 0.6029,
0.3595

70.3999, 0.3272,
0.3351

■ 80.5081, 0.3107,
0.3281

■ 91.5974, 0.2975,
0.3227

■ 95.5607, 0.2976,
0.3290

Harmonies

Analogous

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



34.4243, 0.4384, 0.3153



34.4243, 0.4647, 0.3713



34.4243, 0.4439, 0.4258

Triad

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



34.4243, 0.4647, 0.3713



34.4243, 0.2473, 0.4062



34.4243, 0.2296, 0.2136

Complementary

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



34.4243, 0.4647, 0.3713



45.8426, 0.2288, 0.2772

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.



34.4243, 0.1915, 0.2216



34.4243, 0.4647, 0.3713



34.4243, 0.1994, 0.3243

Square

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



34.4243, 0.4647, 0.3713



34.4243, 0.3164, 0.4626



34.4243, 0.1810, 0.2578



34.4243, 0.2936, 0.2296

Rectangle

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



34.4243, 0.4647, 0.3713



34.4243, 0.4096, 0.4549



34.4243, 0.1810, 0.2578



34.4243, 0.2138, 0.2134

Sweetspot

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



34.4261, 0.4647, 0.3713



78.1221, 0.3455, 0.3422



28.9037, 0.3587, 0.2231



16.0477, 0.3519, 0.3444



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.



34.4261, 0.4647, 0.3713



36.9025, 0.5092, 0.3749



58.2616, 0.4153, 0.4399



15.0252, 0.3285, 0.3357



11.8267, 0.6002, 0.3617



1.0276, 0.5714, 0.3845

Inverse Universe

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



45.8426, 0.2288, 0.2772



52.3211, 0.2168, 0.2648



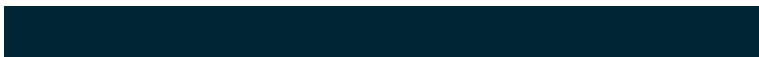
23.1996, 0.2078, 0.1817



15.6146, 0.2981, 0.3222



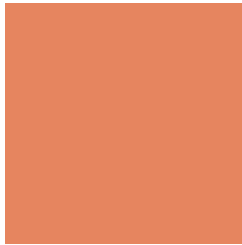
18.7386, 0.1986, 0.2350



1.5401, 0.2029, 0.2504

Previews

White Background



This preview shows how the Yxy color 34.4243, 0.4647, 0.3713 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 34.4243, 0.4647, 0.3713 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 34.4243, 0.4647, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 34.4243, 0.4647, 0.3713.



This preview shows how white text looks on a background with the Yxy color 34.4243, 0.4647, 0.3713.

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

34.4243, 0.4647, 0.3713

Protanopia

34.7004, 0.3775, 0.4071

Deuteranopia

34.6811, 0.4172, 0.4091



Tritanopia

34.5681, 0.4231, 0.3191

Trichromacy



Original Color

34.4243, 0.4647, 0.3713

Protanomaly

34.2216, 0.4092, 0.3944

Deuteranomaly

34.2889, 0.4352, 0.3949

Tritanomaly

34.5262, 0.4389, 0.3384

Monochromacy



Original Color

34.4243, 0.4647, 0.3713

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.4345, 0.3640, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4243, 0.4647, 0.3713 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(230, 133, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 133, 95) }
```

Border

The CSS property to change the border of an element to Yxy 34.4243, 0.4647, 0.3713 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, 95) }
```

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

```
.border{ border-color:rgb(230, 133, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 133, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 133, 95);  
box-shadow:4px 4px 4px 4px rgb(230, 133,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4243, 0.4647, 0.3713 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, 95) }
```

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

```
.background{ background-color: rgb(230,  
133, 95) }
```

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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