

Converting Colors

$Y_{xy}(33.1679, 0.4596, 0.3654)$

Have a look what the booklet for
Yxy(33.1679, 0.4596, 0.3654)
contains.

Yxy(33.0349, 0.4590, 0.3645)	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(33.0349, 0.4590, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	E28263
RGB	226, 130, 99
RGB Percent	89%, 51%, 39%
CMY	0.1137, 0.4902, 0.6116
CMYK	0.00, 0.42, 0.56, 0.11
HSL	15°, 69%, 64%
HSV	15°, 56%, 89%
XYZ	41.5995, 33.0349, 15.9963
YIQ	155.1700, 67.1670, 10.7110

Conversions

Conversions Part 2

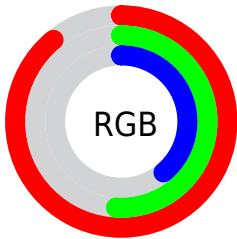
Format	Color
R _Y B	226, 140, 99
Decimal	14844515
CIE Lab	64.19, 33.98, 32.73
CIE LCh	64, 47.177, 43.922
Yxy	33.0349, 0.4590, 0.3645
Android (android.graphics.Color)	4293034595 (0xFFE28263)
YUV	155.1700, -27.6918, 62.1179
Hunter-Lab	57.4760, 28.6103, 23.7320

Details

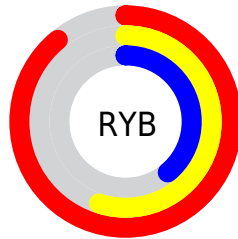
The Yxy color **33.0349, 0.4590, 0.3645** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.1868, 0.2333, 0.2866**, and the grayscale version is **32.9625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7430, 0.4037, 0.3649**, and **13.9469, 0.5035, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **28.4884, 0.4981, 0.3678**, and if you desaturate by 10%, it is **38.4606, 0.4230, 0.3591**.

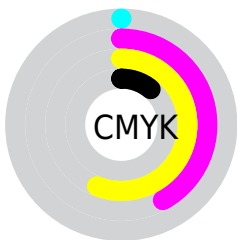
Distribution



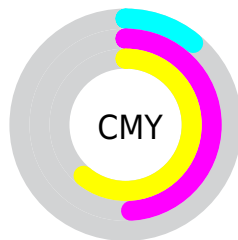
- Red (89%)
- Green (51%)
- Blue (39%)



- Red (89%)
- Yellow (55%)
- Blue (39%)



- Cyan (0%)
- Magenta (42%)
- Yellow (56%)
- Black (11%)




- Cyan (11%)
- Magenta (49%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0349, 0.4590, 0.3645 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 33.0349, 0.4590, 0.3645 by changing the saturation by 10% instead.


 33.0349, 0.4590,
0.3645


 33.0349, 0.4590,
0.3645


315.8070, 0.3817,
0.3506


 22.1532, 0.4790,
0.3662


 64.4300, 0.4302,
0.3606


 13.9695, 0.5047,
0.3670


 85.7122, 0.4196,
0.3588

 8.0995, 0.5385,
0.3657


 111.2300, 0.4107,
0.3571

 4.1587, 0.5856,
0.3600

 141.3678, 0.4031,
0.3556

 1.7627, 0.6559,
0.3441

176.5100, 0.3966,
0.3541

 0.4638, 0.7439,
0.2561

217.0410, 0.3910,

 0.0000, 1.0000,

0.3528

0.0000

263.3452, 0.3861,
0.3517

0.0000, 0.0000,
0.0000

33.0349, 0.4590,
0.3645

33.0349, 0.4590,
0.3645

28.4884, 0.4981,
0.3678

38.4606, 0.4230,
0.3591

24.7683, 0.5378,
0.3680

44.8041, 0.3914,
0.3527

21.8239, 0.5739,
0.3642

52.1080, 0.3644,
0.3459

19.5955, 0.6021,
0.3563

60.4106, 0.3417,
0.3391

18.9131, 0.6110,
0.3530

69.7481, 0.3228,
0.3327

■ 80.1547, 0.3070,
0.3268

■ 91.5187, 0.2951,
0.3235

■ 94.9083, 0.2952,
0.3289

Harmonies

Analogous

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



33.0349, 0.4284, 0.3103



33.0349, 0.4590, 0.3645



33.0349, 0.4440, 0.4179

Triad

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



33.0349, 0.4590, 0.3645



33.0349, 0.2564, 0.4112



33.0349, 0.2269, 0.2166

Complementary

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



33.0349, 0.4590, 0.3645



47.1868, 0.2333, 0.2866

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.



33.0349, 0.1926, 0.2275



33.0349, 0.4590, 0.3645



33.0349, 0.2068, 0.3333

Square

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



33.0349, 0.4590, 0.3645



33.0349, 0.3246, 0.4603



33.0349, 0.1855, 0.2662



33.0349, 0.2865, 0.2298

Rectangle

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



33.0349, 0.4590, 0.3645



33.0349, 0.4132, 0.4471



33.0349, 0.1855, 0.2662



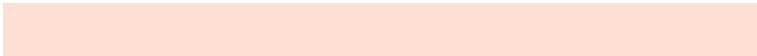
33.0349, 0.2125, 0.2174

Sweetspot

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



33.0366, 0.4590, 0.3645



78.3580, 0.3437, 0.3398



29.1009, 0.3510, 0.2229



16.2815, 0.3480, 0.3411



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.



33.0366, 0.4590, 0.3645



36.7802, 0.5032, 0.3681



54.8307, 0.4135, 0.4319



14.2408, 0.3286, 0.3348



10.9464, 0.6084, 0.3551



0.8980, 0.5782, 0.3791

Inverse Universe

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



47.1868, 0.2333, 0.2866



56.8624, 0.2217, 0.2765



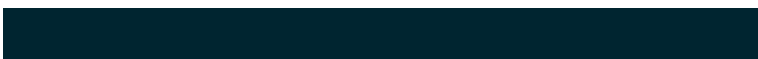
24.8905, 0.2138, 0.1953



14.9762, 0.2982, 0.3231



19.9153, 0.2023, 0.2484



1.5174, 0.2062, 0.2623

Previews

White Background



This preview shows how the Yxy color 33.0349, 0.4590, 0.3645 looks on a white background.

Color Contrast Check

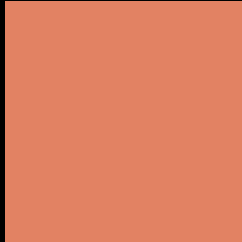
Large Text (above 18pt) WCAG AA × Fail

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 33.0349, 0.4590, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

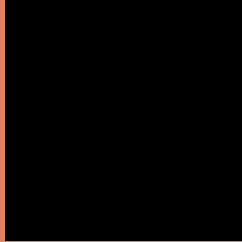
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0349, 0.4590, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 33.0349, 0.4590, 0.3645.



This preview shows how white text looks on a background with the Yxy color 33.0349, 0.4590, 0.3645.

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

33.0349, 0.4590, 0.3645

Protanopia

33.2059, 0.3699, 0.3988

Deuteranopia

33.1399, 0.4103, 0.4023



Tritanopia

32.8824, 0.4231, 0.3189

Trichromacy



Original Color

33.0349, 0.4590, 0.3645

Protanomaly

32.7062, 0.4017, 0.3868

Deuteranomaly

32.7471, 0.4284, 0.3881

Tritanomaly

32.8901, 0.4368, 0.3363

Monochromacy



Original Color

33.0349, 0.4590, 0.3645

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1308, 0.3617, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0349, 0.4590, 0.3645 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(226, 130, 99)` looks like.

```
.text, #text, p{  
    color:rgb(226, 130, 99)  
}
```

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(226, 130, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 130, 99) }
```

Border

The CSS property to change the border of an element to Yxy 33.0349, 0.4590, 0.3645 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(226, 130, 99) }
```

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

```
.border{ border-color:rgb(226, 130, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 130, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 130, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 130, 99);  
box-shadow:4px 4px 4px 4px rgb(226, 130,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0349, 0.4590, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 130, 99) }
```

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

```
.background{ background-color: rgb(226,  
130, 99) }
```

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