

Converting Colors

$Y_{xy}(46.6291, 0.3996, 0.3445)$

Have a look what the booklet for
Yxy(46.6291, 0.3996, 0.3445)
contains.

Yxy(46.7150, 0.3996, 0.3449)	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(46.7150, 0.3996, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	EFA395
RGB	239, 163, 149
RGB Percent	94%, 64%, 58%
CMY	0.0627, 0.3608, 0.4156
CMYK	0.00, 0.32, 0.38, 0.06
HSL	9°, 74%, 76%
HSV	9°, 38%, 94%
XYZ	54.1238, 46.7150, 34.6062
YIQ	184.1280, 49.7900, 11.7580

Conversions

Conversions Part 2

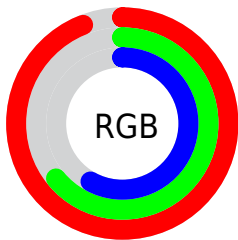
Format	Color
R _Y B	239, 166, 149
Decimal	15704981
CIE Lab	74.01, 26.47, 18.70
CIE LCh	74, 32.408, 35.234
Yxy	46.7150, 0.3996, 0.3449
Android (android.graphics.Color)	4293895061 (0xFFEFA395)
YUV	184.1280, -17.3181, 48.1227
Hunter-Lab	68.3484, 21.7413, 17.8241

Details

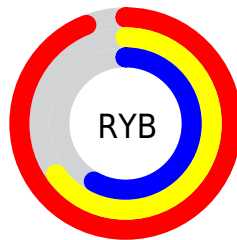
The Yxy color **46.7150, 0.3996, 0.3449** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **66.4966, 0.2578, 0.3122**, and the grayscale version is **48.0861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7146, 0.3506, 0.3444**, and **22.0745, 0.4249, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **39.4242, 0.4346, 0.3489**, and if you desaturate by 10%, it is **55.3115, 0.3701, 0.3405**.

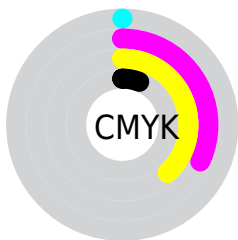
Distribution



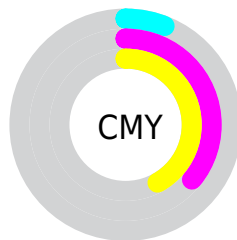
- Red (94%)
- Green (64%)
- Blue (58%)



- Red (94%)
- Yellow (65%)
- Blue (58%)



- Cyan (0%)
- Magenta (32%)
- Yellow (38%)
- Black (6%)





- Cyan (6%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7150, 0.3996, 0.3449 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 46.7150, 0.3996, 0.3449 by changing the saturation by 10% instead.


 46.7150, 0.3996,
0.3449

 46.7150, 0.3996,
0.3449


373.6758, 0.3557,
0.3384

 32.8104, 0.4106,
0.3460


 85.2881, 0.3836,
0.3429

 21.9812, 0.4247,
0.3472


 110.7253, 0.3776,
0.3421

 13.8431, 0.4433,
0.3482


140.7756, 0.3726,
0.3413

 8.0116, 0.4690,
0.3486

175.8232, 0.3682,
0.3406

 4.1024, 0.5064,
0.3472

216.2527, 0.3645,
0.3400

 1.7310, 0.5766,
0.3470

262.4483, 0.3612,

 0.4436, 0.7105,

0.3394

0.2895

314.7946, 0.3583,
0.3389

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.7150, 0.3996,
0.3449

46.7150, 0.3996,
0.3449

39.4242, 0.4346,
0.3489

55.3115, 0.3701,
0.3405

33.3684, 0.4746,
0.3520

65.2664, 0.3456,
0.3362

28.4807, 0.5179,
0.3533

76.6377, 0.3256,
0.3320

24.6848, 0.5606,
0.3522

89.4778, 0.3091,
0.3281

■ 21.8952, 0.5971,
0.3481

■ 97.0935, 0.3029,
0.3290

■ 20.0116, 0.6224,
0.3417

■ 19.6840, 0.6270,
0.3403

Harmonies

Analogous

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



46.7150, 0.3733, 0.3091



46.7150, 0.3996, 0.3449



46.7150, 0.4002, 0.3798

Triad

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



46.7150, 0.3996, 0.3449



46.7150, 0.2910, 0.3880



46.7150, 0.2499, 0.2570

Complementary

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



46.7150, 0.3996, 0.3449



66.4966, 0.2578, 0.3122

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.



46.7150, 0.2316, 0.2712



46.7150, 0.3996, 0.3449



46.7150, 0.2539, 0.3467

Square

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



46.7150, 0.3996, 0.3449



46.7150, 0.3358, 0.4097



46.7150, 0.2330, 0.3030



46.7150, 0.2850, 0.2603

Rectangle

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



46.7150, 0.3996, 0.3449



46.7150, 0.3864, 0.3982



46.7150, 0.2330, 0.3030



46.7150, 0.2417, 0.2597

Sweetspot

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



46.7173, 0.3996, 0.3449



84.1266, 0.3319, 0.3334



45.3195, 0.3288, 0.2483



17.6185, 0.3346, 0.3339



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.



46.7173, 0.3996, 0.3449



47.6385, 0.4253, 0.3480



65.4010, 0.3810, 0.3926



16.1551, 0.3289, 0.3327



10.9960, 0.6250, 0.3419



1.0328, 0.6027, 0.3596

Inverse Universe

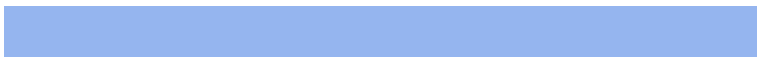
The Inverse Universe completely reimagines the original color for something new.



66.4966, 0.2578, 0.3122



73.4898, 0.2485, 0.3083



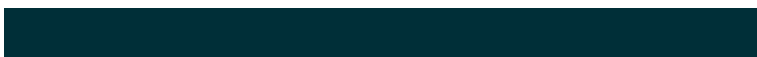
45.4770, 0.2495, 0.2555



17.4863, 0.2981, 0.3252



26.9159, 0.2108, 0.2789



2.3507, 0.2128, 0.2862

Previews

White Background



This preview shows how the Yxy color 46.7150, 0.3996, 0.3449 looks on a white background.

Color Contrast Check

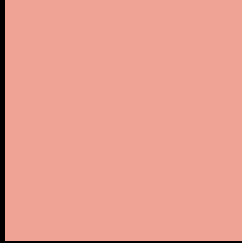
Large Text (above 18pt) WCAG AA × Fail

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 46.7150, 0.3996, 0.3449 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 46.7150, 0.3996, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 46.7150, 0.3996, 0.3449.



This preview shows how white text looks on a background with the Yxy color 46.7150, 0.3996, 0.3449.

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

46.7150, 0.3996, 0.3449

Protanopia

47.0009, 0.3402, 0.3603

Deuteranopia

46.7636, 0.3712, 0.3636



Tritanopia

46.8209, 0.3798, 0.3159

Trichromacy



Original Color

46.7150, 0.3996, 0.3449

Protanomaly

46.4364, 0.3603, 0.3540

Deuteranomaly

46.7935, 0.3812, 0.3566

Tritanomaly

46.6953, 0.3865, 0.3259

Monochromacy



Original Color

46.7150, 0.3996, 0.3449

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.8283, 0.3421, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7150, 0.3996, 0.3449 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(239, 163, 149)` looks like.

```
.text, #text, p{  
    color:rgb(239, 163, 149)  
}
```

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(239, 163, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 163, 149) }
```

Border

The CSS property to change the border of an element to Yxy 46.7150, 0.3996, 0.3449 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(239, 163, 149) }
```

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

```
.border{ border-color:rgb(239, 163, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 163, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 163, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 163, 149);  
box-shadow:4px 4px 4px 4px rgb(239, 163,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7150, 0.3996, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 163, 149) }
```

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

```
.background{ background-color: rgb(239,  
163, 149) }
```

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