

Converting Colors

$Y_{xy}(46.2944, 0.4132, 0.3605)$

Have a look what the booklet for
Yxy(46.2944, 0.4132, 0.3605)
contains.

Yxy(46.2944, 0.4132, 0.3605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.2944, 0.4132, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	EFA387
RGB	239, 163, 135
RGB Percent	94%, 64%, 53%
CMY	0.0628, 0.3607, 0.4706
CMYK	0.00, 0.32, 0.44, 0.06
HSL	16°, 76%, 73%
HSV	16°, 44%, 94%
XYZ	53.0620, 46.2944, 29.0608
YIQ	182.5320, 54.2840, 7.4040

Conversions

Conversions Part 2

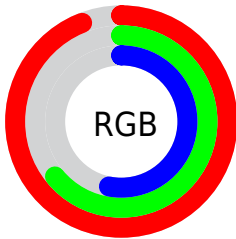
Format	Color
R _Y B	239, 173, 135
Decimal	15704967
CIE Lab	73.74, 24.91, 25.95
CIE LCh	74, 35.970, 46.169
Yxy	46.2944, 0.4132, 0.3605
Android (android.graphics.Color)	4293895047 (0xFFEFA387)
YUV	182.5320, -23.4333, 49.5224
Hunter-Lab	68.0400, 20.1359, 22.3044

Details

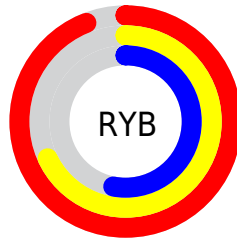
The Yxy color **46.2944, 0.4132, 0.3605** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57.9531, 0.2479, 0.2941**, and the grayscale version is **47.1939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0336, 0.3616, 0.3599**, and **21.7281, 0.4410, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **39.9186, 0.4474, 0.3669**, and if you desaturate by 10%, it is **53.6817, 0.3833, 0.3532**.

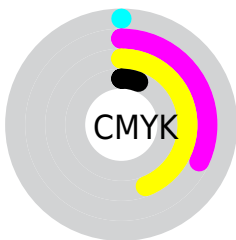
Distribution



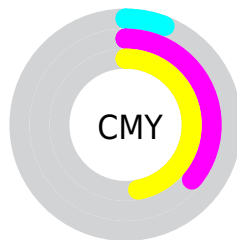
- Red (94%)
- Green (64%)
- Blue (53%)



- Red (94%)
- Yellow (68%)
- Blue (53%)



- Cyan (0%)
- Magenta (32%)
- Yellow (44%)
- Black (6%)




- Cyan (6%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2944, 0.4132, 0.3605 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 46.2944, 0.4132, 0.3605 by changing the saturation by 10% instead.

 46.2944, 0.4132,
0.3605


 46.2944, 0.4132,
0.3605


371.9910, 0.3626,
0.3469


 32.4782, 0.4258,
0.3631


 84.6594, 0.3948,
0.3561

 21.7270, 0.4418,
0.3660


 109.9770, 0.3879,
0.3543

 13.6565, 0.4627,
0.3690


 139.8972, 0.3820,
0.3527

 7.8821, 0.4912,
0.3716

174.8044, 0.3770,
0.3513

 4.0196, 0.5311,
0.3718

215.0830, 0.3727,
0.3500

 1.6845, 0.6182,
0.3818

261.1174, 0.3689,

 0.4136, 0.7098,

0.3488

0.2902

313.2919, 0.3655,
0.3478

0.0000, 0.0000,
0.0000

46.2944, 0.4132,
0.3605

46.2944, 0.4132,
0.3605

39.9186, 0.4474,
0.3669

53.6817, 0.3833,
0.3532

34.5026, 0.4849,
0.3714

62.1160, 0.3578,
0.3457

29.9997, 0.5238,
0.3729

71.6390, 0.3363,
0.3383

26.3566, 0.5604,
0.3702

82.2885, 0.3183,
0.3313

23.5136, 0.5906,
0.3631

94.1000, 0.3033,
0.3249

■ 22.0579, 0.6060,
0.3570

■ 97.0872, 0.3029,
0.3290

Harmonies

Analogous

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



46.2944, 0.3939, 0.3206



46.2944, 0.4132, 0.3605



46.2944, 0.4028, 0.3967

Triad

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



46.2944, 0.4132, 0.3605



46.2944, 0.2718, 0.3798



46.2944, 0.2553, 0.2488

Complementary

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



46.2944, 0.4132, 0.3605



57.9531, 0.2479, 0.2941

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.



46.2944, 0.2282, 0.2568



46.2944, 0.4132, 0.3605



46.2944, 0.2367, 0.3298

Square

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



46.2944, 0.4132, 0.3605



46.2944, 0.3196, 0.4141



46.2944, 0.2216, 0.2847



46.2944, 0.2993, 0.2591

Rectangle

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



46.2944, 0.4132, 0.3605



46.2944, 0.3815, 0.4137



46.2944, 0.2216, 0.2847



46.2944, 0.2441, 0.2493

Sweetspot

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



46.2967, 0.4132, 0.3605



83.5555, 0.3354, 0.3380



40.3914, 0.3437, 0.2477



17.3345, 0.3398, 0.3396



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.



46.2967, 0.4132, 0.3605



47.1718, 0.4426, 0.3661



68.5540, 0.3878, 0.4142



16.4516, 0.3287, 0.3354



12.3769, 0.6033, 0.3592



1.1885, 0.5776, 0.3795

Inverse Universe

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



57.9531, 0.2479, 0.2941



62.1930, 0.2368, 0.2858



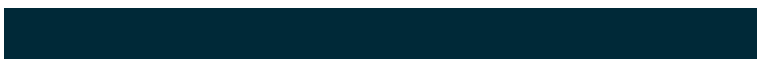
36.2688, 0.2362, 0.2254



17.1665, 0.2981, 0.3225



20.5310, 0.1998, 0.2391



1.8714, 0.2034, 0.2523

Previews

White Background



This preview shows how the Yxy color 46.2944, 0.4132, 0.3605 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 46.2944, 0.4132, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

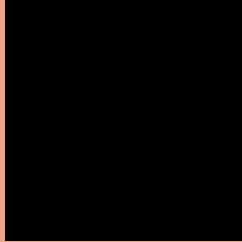
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2944, 0.4132, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 46.2944, 0.4132, 0.3605.



This preview shows how white text looks on a background with the Yxy color 46.2944, 0.4132, 0.3605.

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

46.2944, 0.4132, 0.3605

Protanopia

46.3684, 0.3549, 0.3786

Deuteranopia

46.4126, 0.3870, 0.3790



Tritanopia

46.2332, 0.3834, 0.3159

Trichromacy



Original Color

46.2944, 0.4132, 0.3605

Protanomaly

45.8672, 0.3760, 0.3713

Deuteranomaly

46.3180, 0.3965, 0.3717

Tritanomaly

46.2767, 0.3948, 0.3326

Monochromacy



Original Color

46.2944, 0.4132, 0.3605

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5004, 0.3456, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2944, 0.4132, 0.3605 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(239, 163, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 163, 135) }
```

Border

The CSS property to change the border of an element to Yxy 46.2944, 0.4132, 0.3605 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, 135) }
```

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

```
.border{ border-color:rgb(239, 163, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 163, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 163, 135); box-shadow:4px 4px 4px 4px rgb(239, 163, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2944, 0.4132, 0.3605 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, 135) }
```

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

```
.background{ background-color: rgb(239,  
163, 135) }
```

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