

Converting Colors

$Y_{xy}(89.0768, 0.3310, 0.3399)$

Have a look what the booklet for
Yxy(89.0768, 0.3310, 0.3399)
contains.

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Color

Yxy(88.5944, 0.3303, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFEE4
RGB	255, 239, 228
RGB Percent	100%, 94%, 89%
CMY	0.0003, 0.0626, 0.1059
CMYK	0.00, 0.06, 0.11, 0.00
HSL	25°, 100%, 95%
HSV	25°, 11%, 100%
XYZ	86.0922, 88.5944, 85.9619
YIQ	242.5300, 13.0670, -0.0290

Conversions

Conversions Part 2

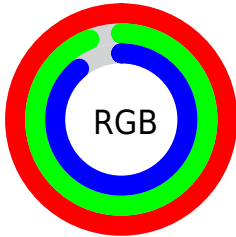
Format	Color
R _Y B	255, 247, 228
Decimal	16773092
CIE Lab	95.41, 3.56, 7.24
CIE LCh	95, 8.068, 63.827
Yxy	88.5944, 0.3303, 0.3399
Android (android.graphics.Color)	4294963172 (0xFFFEFE4)
YUV	242.5300, -7.1633, 10.9362
Hunter-Lab	94.1246, -1.4509, 11.7390

Details

The Yxy color **88.5944, 0.3303, 0.3399** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.3574, 0.2963, 0.3179**, and the grayscale version is **89.2817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8899, 0.3338, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **78.8312, 0.3498, 0.3509**, and if you desaturate by 10%, it is **99.3088, 0.3136, 0.3296**.

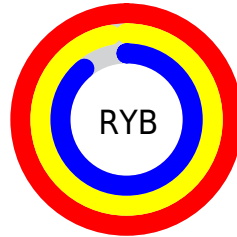
Distribution



Red (100%)

Green (94%)

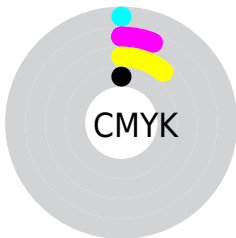
Blue (89%)



Red (100%)

Yellow (97%)

Blue (89%)

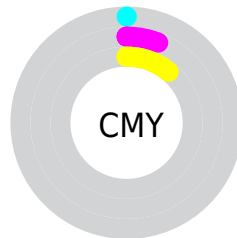


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5944, 0.3303, 0.3399 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 88.5944, 0.3303, 0.3399 by changing the saturation by 10% instead.

 88.5944, 0.3303,
0.3399

 88.5944, 0.3303,
0.3399

523.4478, 0.3224,
0.3351

 66.8154, 0.3320,
0.3410


145.3844, 0.3276,
0.3383

 48.9347, 0.3342,
0.3422

181.1642, 0.3266,
0.3376

 34.5677, 0.3368,
0.3438


222.3798, 0.3256,
0.3371

 23.3300, 0.3402,
0.3458

269.4156, 0.3248,
0.3366

 14.8374, 0.3447,
0.3485

322.6558, 0.3241,
0.3361

 8.7053, 0.3510,
0.3521

382.4850, 0.3235,

 4.5495, 0.3604,

0.3357

0.3573

449.2876, 0.3229,
0.3354

■ 1.9854, 0.3756,
0.3656

■ 0.5990, 0.4683,
0.4275

■ 88.5944, 0.3303,
0.3399

■ 88.5944, 0.3303,
0.3399

■ 78.8312, 0.3498,
0.3509

99.3088, 0.3136,
0.3296

■ 69.9804, 0.3723,
0.3622

99.9878, 0.3127,
0.3290

■ 62.0179, 0.3980,
0.3734

■ 54.9136, 0.4267,
0.3837

■ 48.6358, 0.4579,
0.3922

■ 43.1505, 0.4901,
0.3976

■ 38.4205, 0.5213,
0.3985

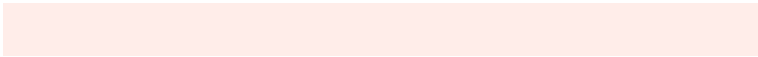
■ 34.4045, 0.5489,
0.3940

■ 31.2208, 0.5703,
0.3854

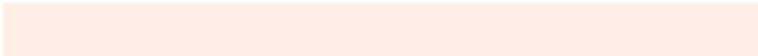
Harmonies

Analogous

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



88.5944, 0.3297, 0.3328



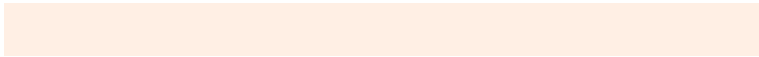
88.5944, 0.3303, 0.3399



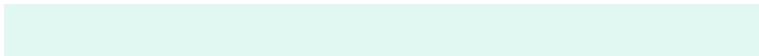
88.5944, 0.3261, 0.3442

Triad

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



88.5944, 0.3303, 0.3399



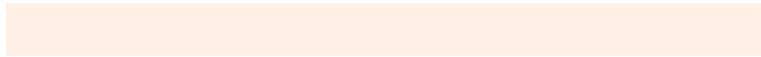
88.5944, 0.3010, 0.3332



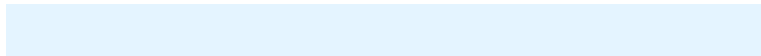
88.5944, 0.3069, 0.3140

Complementary

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



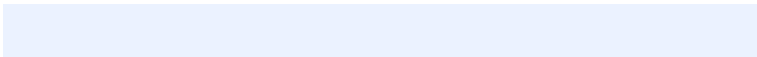
88.5944, 0.3303, 0.3399



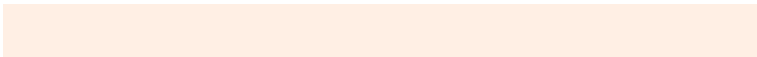
88.3574, 0.2963, 0.3179

Split Complementary

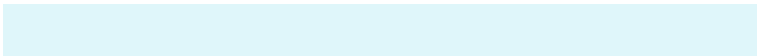
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5944, 0.2994, 0.3140



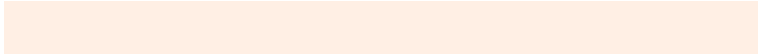
88.5944, 0.3303, 0.3399



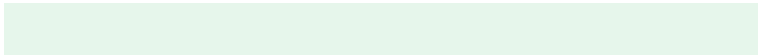
88.5944, 0.2960, 0.3249

Square

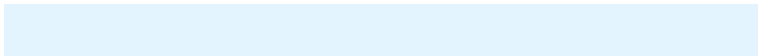
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5944, 0.3303, 0.3399



88.5944, 0.3091, 0.3404



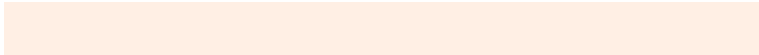
88.5944, 0.2954, 0.3178



88.5944, 0.3161, 0.3180

Rectangle

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



88.5944, 0.3303, 0.3399



88.5944, 0.3212, 0.3449



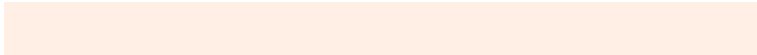
88.5944, 0.2954, 0.3178



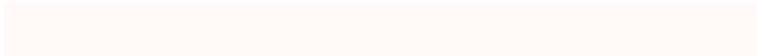
88.5944, 0.3041, 0.3136

Sweetspot

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



88.5983, 0.3303, 0.3399



96.6679, 0.3174, 0.3320



83.2772, 0.3209, 0.3132



20.5034, 0.3187, 0.3328



0.0000, 0.0000, 0.0000



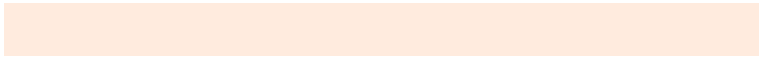
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5983, 0.3303, 0.3399



86.1834, 0.3348, 0.3425



96.6223, 0.3288, 0.3526



19.2081, 0.3284, 0.3388



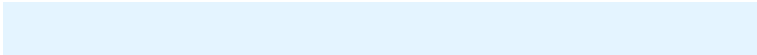
16.5987, 0.5674, 0.3877



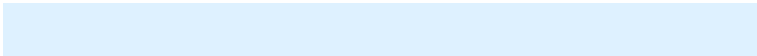
1.8247, 0.5468, 0.4040

Inverse Universe

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



88.3574, 0.2963, 0.3179



85.8913, 0.2924, 0.3151



80.6916, 0.2961, 0.3043



19.1614, 0.2979, 0.3190



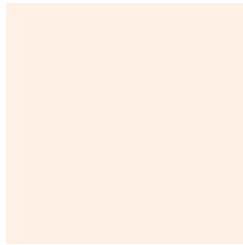
15.5742, 0.1858, 0.1887



1.7315, 0.1906, 0.2063

Previews

White Background



This preview shows how the Yxy color 88.5944, 0.3303, 0.3399 looks on a white background.

Color Contrast Check

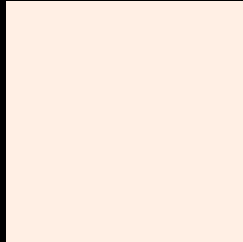
Large Text (above 18pt) WCAG AA × Fail

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 88.5944, 0.3303, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

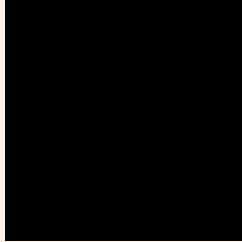
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.5944, 0.3303, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 88.5944, 0.3303, 0.3399.

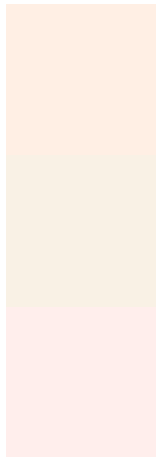


This preview shows how white text looks on a background with the Yxy color 88.5944, 0.3303, 0.3399.

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

88.5944, 0.3303, 0.3399

Protanopia

88.7075, 0.3254, 0.3410

Deuteranopia

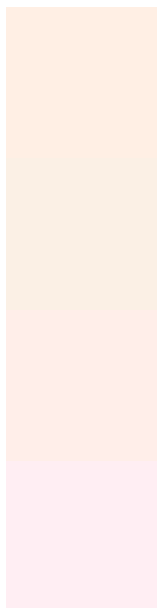
88.4652, 0.3253, 0.3310



Tritanopia

88.7934, 0.3160, 0.3155

Trichromacy



Original Color

88.5944, 0.3303, 0.3399

Protanomaly

88.4865, 0.3269, 0.3399

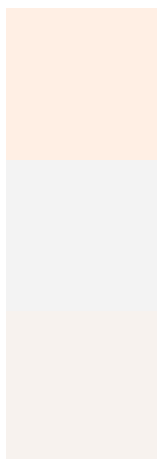
Deuteranomaly

88.2923, 0.3273, 0.3340

Tritanomaly

88.8801, 0.3209, 0.3242

Monochromacy



Original Color

88.5944, 0.3303, 0.3399

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.4515, 0.3184, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5944, 0.3303, 0.3399 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(255, 239, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 228)  
}
```

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(255, 239, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 228) }
```

Border

The CSS property to change the border of an element to Yxy 88.5944, 0.3303, 0.3399 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(255, 239, 228) }
```

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

```
.border{ border-color:rgb(255, 239, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5944, 0.3303, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 228) }
```

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

```
.background{ background-color: rgb(255,  
239, 228) }
```

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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