

Converting Colors

$Y_{xy}(131.2311, 0.4286, 0.3340)$

Have a look what the booklet for
Yxy(131.2311, 0.4286, 0.3340)
contains.

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Color

Yxy(89.4634, 0.3271, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0E9
RGB	255, 240, 233
RGB Percent	100%, 94%, 91%
CMY	0.0000, 0.0589, 0.0863
CMYK	0.00, 0.06, 0.09, 0.00
HSL	19°, 100%, 96%
HSV	19°, 9%, 100%
XYZ	87.1196, 89.4634, 89.7564
YIQ	243.6870, 11.1870, 1.0030

Conversions

Conversions Part 2

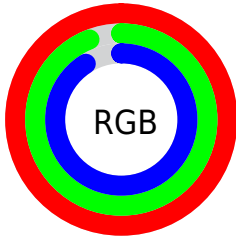
Format	Color
R_{YB}	255, 243, 233
Decimal	16773353
CIE _{Lab}	95.77, 3.91, 5.19
CIE _{LCh}	96, 6.495, 52.982
Yxy	89.4634, 0.3271, 0.3359
Android (android.graphics.Color)	4294963433 (0xFFFFF0E9)
YUV	243.6870, -5.2687, 9.9215
Hunter-Lab	94.5851, -1.1127, 9.9464

Details

The Yxy color **89.4634, 0.3271, 0.3359** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.6733, 0.2993, 0.3220**, and the grayscale version is **90.2339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4611, 0.3303, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **78.3542, 0.3466, 0.3444**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

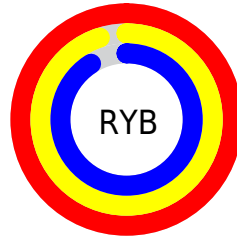
Distribution



Red (100%)

Green (94%)

Blue (91%)



Red (100%)

Yellow (95%)

Blue (91%)



Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4634, 0.3271, 0.3359 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 89.4634, 0.3271, 0.3359 by changing the saturation by 10% instead.


 89.4634, 0.3271,
0.3359

 89.4634, 0.3271,
0.3359


526.2838, 0.3207,
0.3329

 67.5357, 0.3285,
0.3366

146.5928, 0.3249,
0.3349

 49.5201, 0.3303,
0.3374


182.5633, 0.3240,
0.3345

 35.0322, 0.3324,
0.3384


223.9835, 0.3233,
0.3341

 23.6877, 0.3352,
0.3396

271.2377, 0.3226,
0.3338

 15.1021, 0.3389,
0.3413

324.7105, 0.3221,
0.3335

 8.8911, 0.3440,
0.3435

384.7862, 0.3215,

 4.6702, 0.3515,

0.3333

0.3468

451.8491, 0.3211,
0.3331

■ 2.0551, 0.3639,
0.3518

■ 0.6392, 0.4195,
0.3815

■ 89.4634, 0.3271,
0.3359

■ 89.4634, 0.3271,
0.3359

■ 78.3542, 0.3466,
0.3444

100.0000, 0.3127,
0.3290

■ 68.4053, 0.3696,
0.3532

■ 59.5731, 0.3965,
0.3621

■ 51.8168, 0.4273,
0.3703

■ 45.0936, 0.4617,
0.3770

■ 39.3571, 0.4981,
0.3811

■ 34.5571, 0.5342,
0.3812

■ 30.6382, 0.5665,
0.3764

■ 27.5344, 0.5919,
0.3671

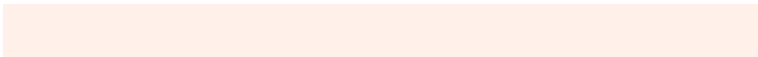
Harmonies

Analogous

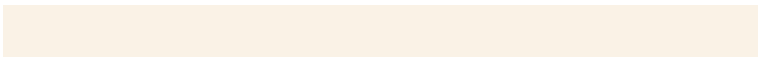
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4634, 0.3252, 0.3297



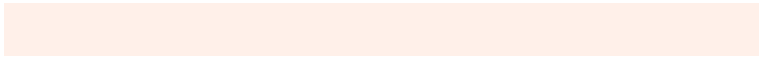
89.4634, 0.3271, 0.3359



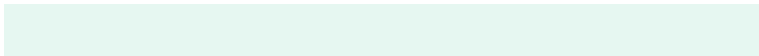
89.4634, 0.3251, 0.3403

Triad

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



89.4634, 0.3271, 0.3359



89.4634, 0.3055, 0.3346



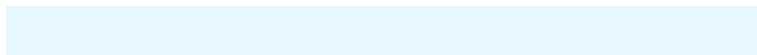
89.4634, 0.3057, 0.3166

Complementary

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



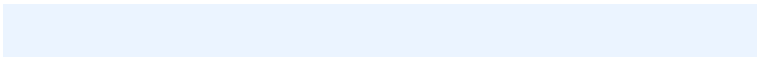
89.4634, 0.3271, 0.3359



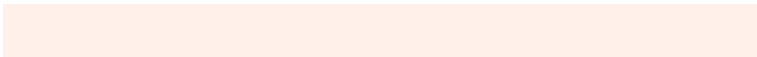
91.6733, 0.2993, 0.3220

Split Complementary

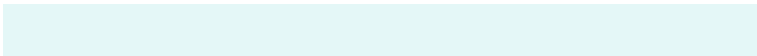
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4634, 0.3005, 0.3177



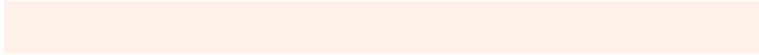
89.4634, 0.3271, 0.3359



89.4634, 0.3004, 0.3281

Square

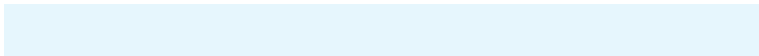
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4634, 0.3271, 0.3359



89.4634, 0.3125, 0.3397



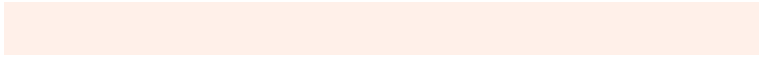
89.4634, 0.2986, 0.3219



89.4634, 0.3128, 0.3187

Rectangle

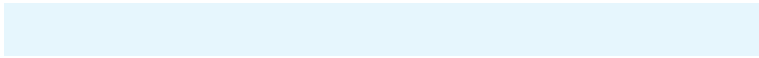
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4634, 0.3271, 0.3359



89.4634, 0.3218, 0.3417



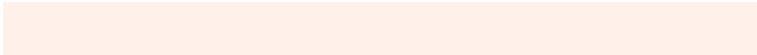
89.4634, 0.2986, 0.3219



89.4634, 0.3036, 0.3166

Sweetspot

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



89.4579, 0.3271, 0.3359



96.2343, 0.3175, 0.3314



86.3097, 0.3181, 0.3144



20.3866, 0.3188, 0.3320



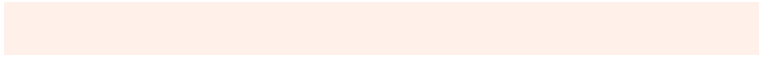
0.0000, 0.0000, 0.0000



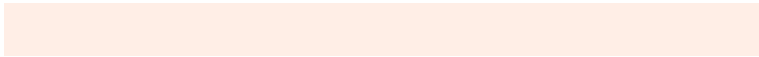
21.4041, 0.3127, 0.3290

Same Dimension

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



89.4579, 0.3271, 0.3359



87.8700, 0.3295, 0.3370



96.1145, 0.3260, 0.3465



18.9304, 0.3286, 0.3366



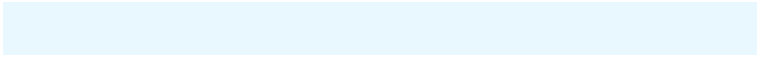
14.4312, 0.5920, 0.3681



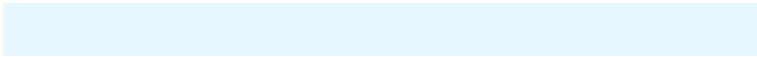
1.5921, 0.5700, 0.3856

Inverse Universe

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



91.6733, 0.2993, 0.3220



90.4119, 0.2972, 0.3208



85.1231, 0.2993, 0.3109



19.4493, 0.2980, 0.3213



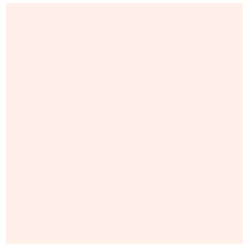
19.8421, 0.1948, 0.2213



2.1290, 0.1986, 0.2351

Previews

White Background



This preview shows how the Yxy color 89.4634, 0.3271, 0.3359 looks on a white background.

Color Contrast Check

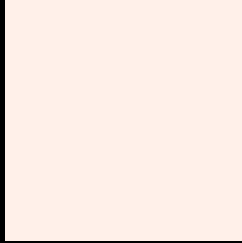
Large Text (above 18pt) WCAG AA × Fail

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 89.4634, 0.3271, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

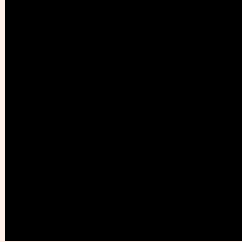
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4634, 0.3271, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 89.4634, 0.3271, 0.3359.

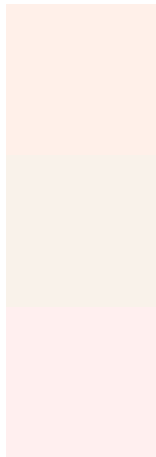


This preview shows how white text looks on a background with the Yxy color 89.4634, 0.3271, 0.3359.

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

89.4634, 0.3271, 0.3359

Protanopia

89.5845, 0.3222, 0.3369

Deuteranopia

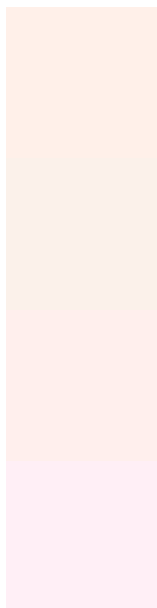
89.2250, 0.3234, 0.3290



Tritanopia

89.5009, 0.3147, 0.3146

Trichromacy



Original Color

89.4634, 0.3271, 0.3359

Protanomaly

89.3603, 0.3236, 0.3359

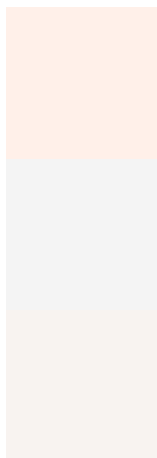
Deuteranomaly

89.1074, 0.3246, 0.3310

Tritanomaly

89.6468, 0.3190, 0.3222

Monochromacy



Original Color

89.4634, 0.3271, 0.3359

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.3489, 0.3178, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4634, 0.3271, 0.3359 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, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 233)  
}
```

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, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 233) }
```

Border

The CSS property to change the border of an element to Yxy 89.4634, 0.3271, 0.3359 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, 240, 233) }
```

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

```
.border{ border-color:rgb(255, 240, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4634, 0.3271, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 233) }
```

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

```
.background{ background-color: rgb(255,  
240, 233) }
```

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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