

Converting Colors

$Yxy(88.4309, 0.3423, 0.3602)$

Have a look what the booklet for
Yxy(88.4309, 0.3423, 0.3602)
contains.

Yxy(88.1836, 0.3425, 0.3599)	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(88.1836, 0.3425, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0D1
RGB	255, 240, 209
RGB Percent	100%, 94%, 82%
CMY	0.0000, 0.0589, 0.1804
CMYK	0.00, 0.06, 0.18, 0.00
HSL	40°, 100%, 91%
HSV	40°, 18%, 100%
XYZ	83.9202, 88.1836, 72.9187
YIQ	240.9510, 18.8910, -6.4610

Conversions

Conversions Part 2

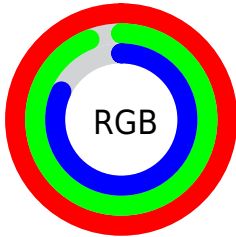
Format	Color
R_{YB}	231, 255, 209
Decimal	16773329
CIE Lab	95.24, 0.20, 16.81
CIE LCh	95, 16.811, 89.322
Yxy	88.1836, 0.3425, 0.3599
Android (android.graphics.Color)	4294963409 (0xFFFFF0D1)
YUV	240.9510, -15.7518, 12.3210
Hunter-Lab	93.9061, -4.8173, 19.6952

Details

The Yxy color **88.1836, 0.3425, 0.3599** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.0909, 0.2837, 0.2961**, and the grayscale version is **88.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6533, 0.3486, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **82.2292, 0.3612, 0.3778**, and if you desaturate by 10%, it is **94.5561, 0.3253, 0.3424**.

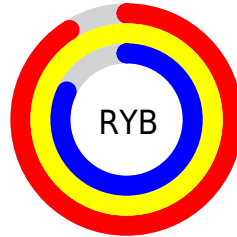
Distribution



Red (100%)

Green (94%)

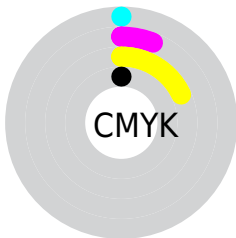
Blue (82%)



Red (91%)

Yellow (100%)

Blue (82%)

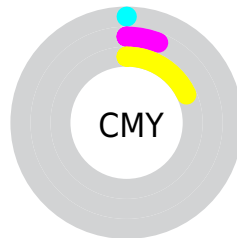


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1836, 0.3425, 0.3599 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 88.1836, 0.3425, 0.3599 by changing the saturation by 10% instead.


 88.1836, 0.3425,
0.3599

 88.1836, 0.3425,
0.3599


522.1043, 0.3292,
0.3461

 66.4751, 0.3454,
0.3629


144.8127, 0.3380,
0.3552

 48.6582, 0.3490,
0.3666


180.5022, 0.3362,
0.3534

 34.3484, 0.3534,
0.3712


221.6208, 0.3346,
0.3518

 23.1614, 0.3590,
0.3770

268.5529, 0.3333,
0.3503

 14.7127, 0.3664,
0.3846

321.6829, 0.3321,
0.3491

 8.6180, 0.3765,
0.3951

381.3952, 0.3310,

 4.4929, 0.3911,

0.3480

0.4101

448.0742, 0.3301,
0.3470

■ 1.9529, 0.4163,
0.4360

■ 0.5799, 0.4895,
0.5105

■ 88.1836, 0.3425,
0.3599

■ 88.1836, 0.3425,
0.3599

■ 82.2292, 0.3612,
0.3778

■ 94.5561, 0.3253,
0.3424

■ 76.6933, 0.3812,
0.3956

100.0000, 0.3127,
0.3290

■ 71.5581, 0.4021,
0.4126

■ 66.8093, 0.4232,
0.4275

■ 62.4309, 0.4436,
0.4394

■ 58.4055, 0.4623,
0.4471

■ 54.7127, 0.4782,
0.4498

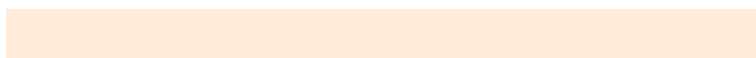
■ 51.3262, 0.4908,
0.4475

■ 50.6913, 0.4931,
0.4467

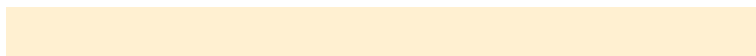
Harmonies

Analogous

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



88.1836, 0.3501, 0.3493



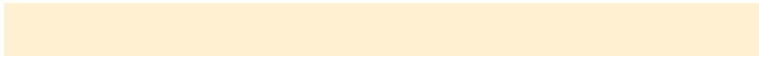
88.1836, 0.3425, 0.3599



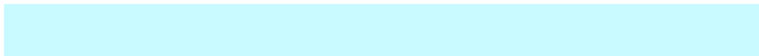
88.1836, 0.3269, 0.3623

Triad

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



88.1836, 0.3425, 0.3599



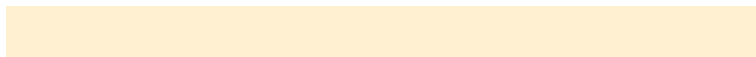
88.1836, 0.2792, 0.3225



88.1836, 0.3167, 0.3048

Complementary

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



88.1836, 0.3425, 0.3599



74.0909, 0.2837, 0.2961

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.



88.1836, 0.2979, 0.2978



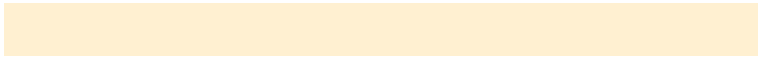
88.1836, 0.3425, 0.3599



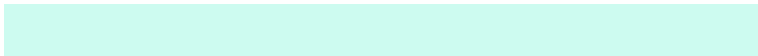
88.1836, 0.2767, 0.3073

Square

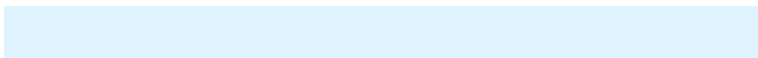
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1836, 0.3425, 0.3599



88.1836, 0.2905, 0.3402



88.1836, 0.2833, 0.2985



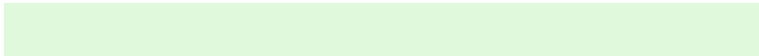
88.1836, 0.3350, 0.3178

Rectangle

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



88.1836, 0.3425, 0.3599



88.1836, 0.3143, 0.3585



88.1836, 0.2833, 0.2985



88.1836, 0.3102, 0.3017

Sweetspot

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



88.1793, 0.3425, 0.3599



96.5805, 0.3204, 0.3373



72.2611, 0.3365, 0.3136



20.5712, 0.3215, 0.3385



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

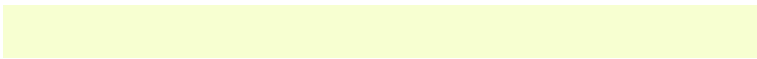
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1793, 0.3425, 0.3599



85.7721, 0.3497, 0.3670



95.9583, 0.3349, 0.3748



20.0331, 0.3277, 0.3450



26.7710, 0.4916, 0.4479



2.8059, 0.4812, 0.4561

Inverse Universe

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



74.0909, 0.2837, 0.2961



69.0787, 0.2769, 0.2879



67.5219, 0.2880, 0.2803



18.3455, 0.2979, 0.3125



7.2610, 0.1627, 0.1057



0.8963, 0.1689, 0.1280

Previews

White Background



This preview shows how the Yxy color 88.1836, 0.3425, 0.3599 looks on a white background.

Color Contrast Check

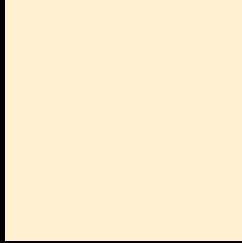
Large Text (above 18pt) WCAG AA × Fail

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 88.1836, 0.3425, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

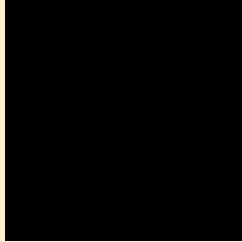
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.1836, 0.3425, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 88.1836, 0.3425, 0.3599.

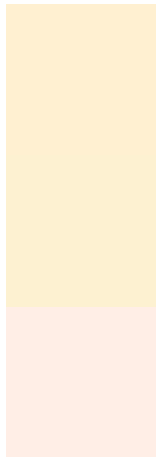


This preview shows how white text looks on a background with the Yxy color 88.1836, 0.3425, 0.3599.

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

88.1836, 0.3425, 0.3599

Protanopia

88.3967, 0.3409, 0.3610

Deuteranopia

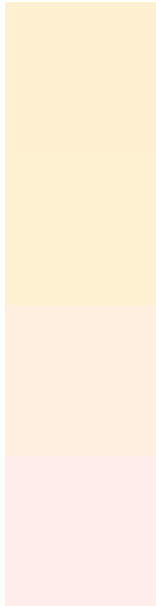
88.1222, 0.3292, 0.3369



Tritanopia

88.0905, 0.3173, 0.3164

Trichromacy



Original Color

88.1836, 0.3425, 0.3599

Protanomaly

88.5849, 0.3416, 0.3609

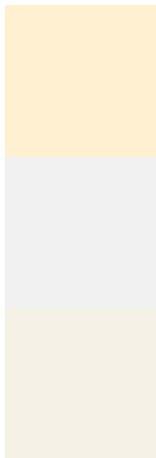
Deuteranomaly

88.2669, 0.3342, 0.3459

Tritanomaly

87.7689, 0.3267, 0.3320

Monochromacy



Original Color

88.1836, 0.3425, 0.3599

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.1606, 0.3234, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1836, 0.3425, 0.3599 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 209) }
```

Border

The CSS property to change the border of an element to Yxy 88.1836, 0.3425, 0.3599 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, 209) }
```

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

```
.border{ border-color:rgb(255, 240, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1836, 0.3425, 0.3599 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
240, 209) }
```

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