

Converting Colors

$Y_{xy}(132.5089, 0.4497, 0.3561)$

Have a look what the booklet for
Yxy(132.5089, 0.4497, 0.3561)
contains.

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Color

Yxy(89.5782, 0.3471, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	FFF3C9
RGB	255, 243, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0470, 0.2119
CMYK	0.00, 0.05, 0.21, 0.00
HSL	47°, 100%, 89%
HSV	47°, 21%, 100%
XYZ	83.8301, 89.5782, 68.1074
YIQ	241.8000, 20.6340, -10.5180

Conversions

Conversions Part 2

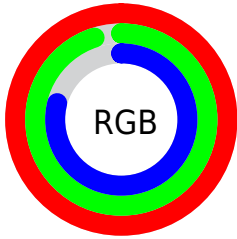
Format	Color
R_{YB}	216, 255, 201
Decimal	16774089
CIE _{Lab}	95.82, -2.49, 21.75
CIE _{LCh}	96, 21.893, 96.523
Yxy	89.5782, 0.3471, 0.3709
Android (android.graphics.Color)	4294964169 (0xFFFFF3C9)
YUV	241.8000, -20.1144, 11.5764
Hunter-Lab	94.6458, -7.5282, 23.5867

Details

The Yxy color **89.5782, 0.3471, 0.3709** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.1991, 0.2779, 0.2833**, and the grayscale version is **88.7767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6530, 0.3544, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **85.1446, 0.3649, 0.3913**, and if you desaturate by 10%, it is **94.3226, 0.3302, 0.3507**.

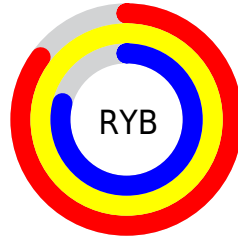
Distribution



Red (100%)

Green (95%)

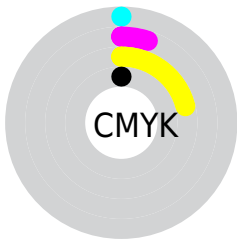
Blue (79%)



Red (85%)

Yellow (100%)

Blue (79%)

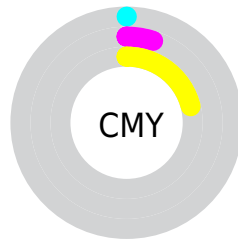


Cyan (0%)

Magenta (5%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5782, 0.3471, 0.3709 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 89.5782, 0.3471, 0.3709 by changing the saturation by 10% instead.

 89.5782, 0.3471,
0.3709

 89.5782, 0.3471,
0.3709

526.6578, 0.3319,
0.3522

 67.6309, 0.3504,
0.3750

146.7524, 0.3419,
0.3645

 49.5975, 0.3544,
0.3800


182.7480, 0.3399,
0.3620

 35.0937, 0.3594,
0.3862


224.1951, 0.3381,
0.3598

 23.7350, 0.3656,
0.3941

271.4782, 0.3366,
0.3579

 15.1372, 0.3737,
0.4043

324.9816, 0.3352,
0.3562

 8.9157, 0.3845,
0.4183

385.0898, 0.3340,

 4.6863, 0.3994,

0.3547

0.4381

452.1870, 0.3329,
0.3534

■ 2.0644, 0.4311,
0.4792

■ 0.6445, 0.4613,
0.5387

■ 89.5782, 0.3471,
0.3709

■ 89.5782, 0.3471,
0.3709

■ 85.1446, 0.3649,
0.3913

■ 94.3226, 0.3302,
0.3507

■ 81.0003, 0.3833,
0.4112

■ 99.3771, 0.3145,
0.3313

■ 77.1372, 0.4016,
0.4296

■ 100.0000, 0.3127,
0.3290

■ 73.5427, 0.4191,
0.4455

■ 70.2028, 0.4350,
0.4579

■ 67.1013, 0.4484,
0.4659

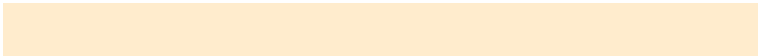
■ 64.2192, 0.4589,
0.4690

■ 61.8365, 0.4659,
0.4683

Harmonies

Analogous

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



89.5782, 0.3600, 0.3590



89.5782, 0.3471, 0.3709



89.5782, 0.3251, 0.3714

Triad

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



89.5782, 0.3471, 0.3709



89.5782, 0.2678, 0.3150



89.5782, 0.3238, 0.3014

Complementary

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



89.5782, 0.3471, 0.3709



67.1991, 0.2779, 0.2833

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.



89.5782, 0.2989, 0.2903



89.5782, 0.3471, 0.3709



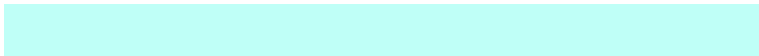
89.5782, 0.2674, 0.2971

Square

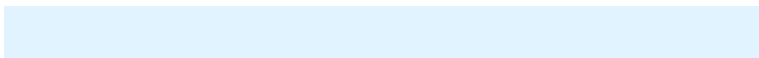
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5782, 0.3471, 0.3709



89.5782, 0.2797, 0.3379



89.5782, 0.2785, 0.2885



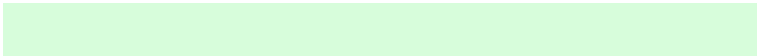
89.5782, 0.3464, 0.3193

Rectangle

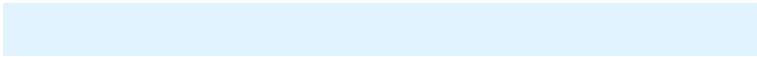
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5782, 0.3471, 0.3709



89.5782, 0.3086, 0.3645



89.5782, 0.2785, 0.2885



89.5782, 0.3154, 0.2968

Sweetspot

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



89.5818, 0.3471, 0.3709



96.9062, 0.3219, 0.3405



67.8502, 0.3458, 0.3162



20.6713, 0.3229, 0.3418



0.0000, 0.0000, 0.0000



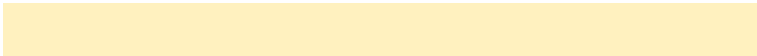
21.4041, 0.3127, 0.3290

Same Dimension

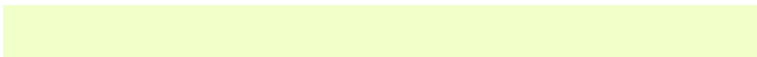
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5818, 0.3471, 0.3709



87.8561, 0.3538, 0.3787



94.3642, 0.3352, 0.3837



20.3665, 0.3275, 0.3474



32.5432, 0.4650, 0.4690



3.3290, 0.4587, 0.4740

Inverse Universe

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



67.1991, 0.2779, 0.2833



62.1817, 0.2709, 0.2738



63.4807, 0.2868, 0.2714



18.0313, 0.2979, 0.3099



5.4600, 0.1564, 0.0831



0.6854, 0.1620, 0.1030

Previews

White Background



This preview shows how the Yxy color 89.5782, 0.3471, 0.3709 looks on a white background.

Color Contrast Check

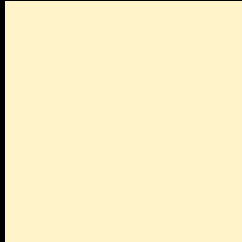
Large Text (above 18pt) WCAG AA × Fail

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 89.5782, 0.3471, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

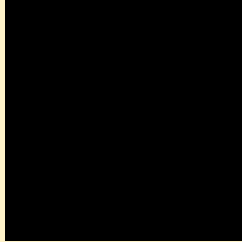
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5782, 0.3471, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 89.5782, 0.3471, 0.3709.



This preview shows how white text looks on a background with the Yxy color 89.5782, 0.3471, 0.3709.

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

89.5782, 0.3471, 0.3709

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

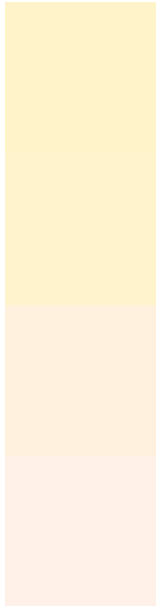
89.4064, 0.3277, 0.3369



Tritanopia

89.3112, 0.3166, 0.3174

Trichromacy



Original Color

89.5782, 0.3471, 0.3709

Protanomaly

89.7690, 0.3445, 0.3668

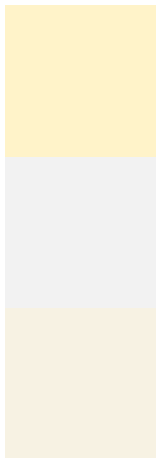
Deuteranomaly

89.3911, 0.3346, 0.3488

Tritanomaly

89.4064, 0.3277, 0.3369

Monochromacy



Original Color

89.5782, 0.3471, 0.3709

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.8245, 0.3252, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5782, 0.3471, 0.3709 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, 243, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 201)  
}
```

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, 243, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 201) }
```

Border

The CSS property to change the border of an element to Yxy 89.5782, 0.3471, 0.3709 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, 243, 201) }
```

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

```
.border{ border-color:rgb(255, 243, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5782, 0.3471, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 201) }
```

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

```
.background{ background-color: rgb(255,  
243, 201) }
```

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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