

Converting Colors

$Y_{xy}(100.0000, 0.3539, 0.3709)$

Have a look what the booklet for
Yxy(100.0000, 0.3539, 0.3709)
contains.

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Color

Yxy(96.0646, 0.3409, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDD0
RGB	255, 253, 208
RGB Percent	100%, 99%, 82%
CMY	0.0000, 0.0078, 0.1843
CMYK	0.00, 0.01, 0.18, 0.00
HSL	57°, 100%, 91%
HSV	57°, 18%, 100%
XYZ	87.7503, 96.0646, 73.5929
YIQ	248.4680, 15.6370, -13.5710

Conversions

Conversions Part 2

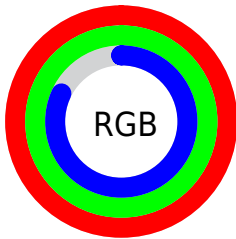
Format	Color
R _Y B	210, 255, 208
Decimal	16776656
CIE Lab	98.46, -6.49, 21.82
CIE LCh	98, 22.768, 106.562
Yxy	96.0646, 0.3409, 0.3732
Android (android.graphics.Color)	4294966736 (0xFFFFFDD0)
YUV	248.4680, -19.9507, 5.7286
Hunter-Lab	98.0126, -11.7115, 24.0908

Details

The Yxy color **96.0646, 0.3409, 0.3732** is a light color, and the websafe version is hex **FFFFCC**, and the color name is **cream**. A complement of this color would be **66.7221, 0.2822, 0.2806**, and the grayscale version is **94.4320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.7855, 0.3471, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **94.2319, 0.3566, 0.3976**, and if you desaturate by 10%, it is **98.1115, 0.3254, 0.3489**.

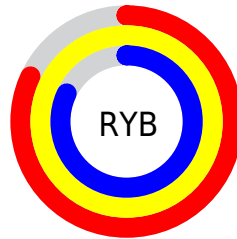
Distribution



Red (100%)

Green (99%)

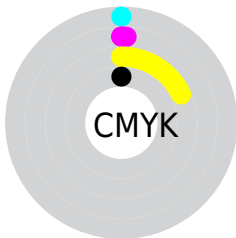
Blue (82%)



Red (82%)

Yellow (100%)

Blue (82%)

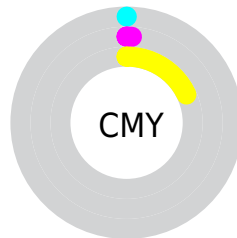


Cyan (0%)

Magenta (1%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.0646, 0.3409, 0.3732 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 96.0646, 0.3409, 0.3732 by changing the saturation by 10% instead.

 96.0646, 0.3409,
0.3732

 96.0646, 0.3409,
0.3732


547.5676, 0.3287,
0.3535

 73.0214, 0.3435,
0.3775


155.7346, 0.3368,
0.3665

 53.9934, 0.3466,
0.3827


193.1301, 0.3352,
0.3639

 38.5964, 0.3505,
0.3892


236.0785, 0.3337,
0.3616

 26.4459, 0.3552,
0.3974

284.9642, 0.3325,
0.3596

 17.1575, 0.3613,
0.4081

340.1715, 0.3314,
0.3578

 10.3469, 0.3693,
0.4226

402.0850, 0.3304,

 5.6295, 0.3800,

0.3562

0.4433

471.0888, 0.3295,
0.3548

■ 2.6212, 0.3962,
0.4766

■ 0.9373, 0.4383,
0.5617

■ 96.0646, 0.3409,
0.3732

■ 96.0646, 0.3409,
0.3732

■ 94.2319, 0.3566,
0.3976

■ 98.1115, 0.3254,
0.3489

■ 92.5910, 0.3720,
0.4212

100.0000, 0.3127,
0.3290

■ 91.1357, 0.3865,
0.4431

■ 89.8545, 0.3993,
0.4623

■ 88.7350, 0.4101,
0.4779

■ 87.7625, 0.4183,
0.4892

■ 86.9199, 0.4237,
0.4960

■ 86.1834, 0.4267,
0.4988

■ 86.0723, 0.4271,
0.4991

Harmonies

Analogous

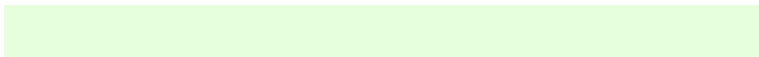
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0646, 0.3577, 0.3645



96.0646, 0.3409, 0.3732



96.0646, 0.3169, 0.3693

Triad

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



96.0646, 0.3409, 0.3732



96.0646, 0.2656, 0.3078



96.0646, 0.3323, 0.3065

Complementary

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



96.0646, 0.3409, 0.3732



66.7221, 0.2822, 0.2806

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.



96.0646, 0.3070, 0.2925



96.0646, 0.3409, 0.3732



96.0646, 0.2692, 0.2925

Square

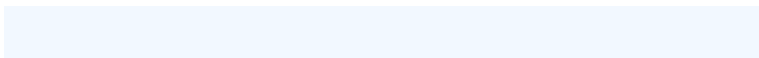
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.0646, 0.3409, 0.3732



96.0646, 0.2739, 0.3301



96.0646, 0.2840, 0.2874



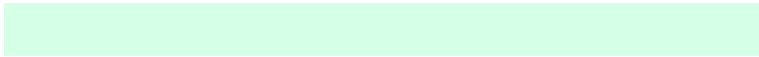
96.0646, 0.3529, 0.3260

Rectangle

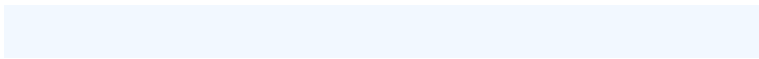
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.0646, 0.3409, 0.3732



96.0646, 0.3002, 0.3596



96.0646, 0.2840, 0.2874



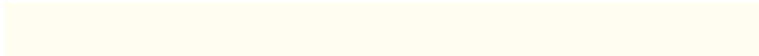
96.0646, 0.3240, 0.3010

Sweetspot

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



96.0689, 0.3409, 0.3732



98.6401, 0.3217, 0.3431



71.0443, 0.3471, 0.3267



21.0824, 0.3227, 0.3447



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

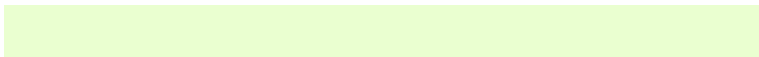
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0689, 0.3409, 0.3732



95.3901, 0.3465, 0.3819



93.5414, 0.3267, 0.3771



20.9508, 0.3270, 0.3515



45.0329, 0.4269, 0.4992



4.4240, 0.4260, 0.5000

Inverse Universe

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



66.7221, 0.2822, 0.2806



61.2521, 0.2756, 0.2699



69.0165, 0.2965, 0.2805



17.5012, 0.2978, 0.3055



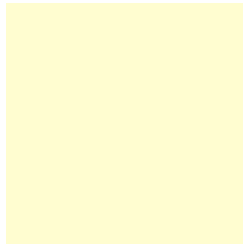
3.9487, 0.1507, 0.0625



0.4260, 0.1524, 0.0685

Previews

White Background



This preview shows how the Yxy color 96.0646, 0.3409, 0.3732 looks on a white background.

Color Contrast Check

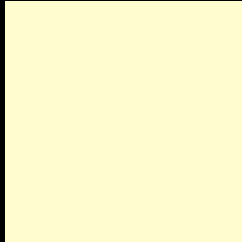
Large Text (above 18pt) WCAG AA × Fail

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 96.0646, 0.3409, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

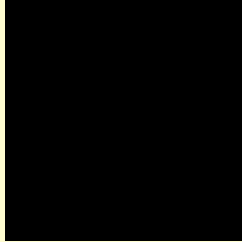
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.0646, 0.3409, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 96.0646, 0.3409, 0.3732.



This preview shows how white text looks on a background with the Yxy color 96.0646, 0.3409, 0.3732.

Color Blindness Simulation

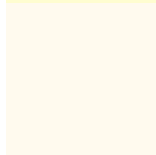
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



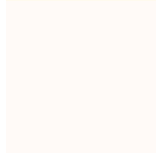
Original Color

96.0646, 0.3409, 0.3732



Protanopia

95.8043, 0.3230, 0.3406



Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

96.0422, 0.3124, 0.3233

Trichromacy



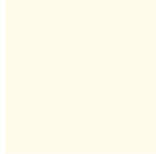
Original Color

96.0646, 0.3409, 0.3732



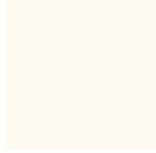
Protanomaly

95.8004, 0.3296, 0.3524



Deuteranomaly

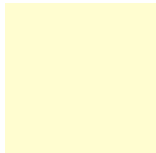
96.1376, 0.3260, 0.3465



Tritanomaly

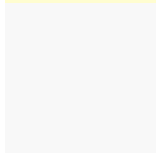
95.6151, 0.3224, 0.3407

Monochromacy



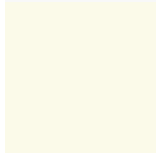
Original Color

96.0646, 0.3409, 0.3732



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

94.7636, 0.3235, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0646, 0.3409, 0.3732 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, 253, 208)` looks like.

```
.text, #text, p{  
  color:rgb(255, 253, 208)  
}
```

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, 253, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 208) }
```

Border

The CSS property to change the border of an element to Yxy 96.0646, 0.3409, 0.3732 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, 253, 208) }
```

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

```
.border{ border-color:rgb(255, 253, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0646, 0.3409, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 208) }
```

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

```
.background{ background-color: rgb(255,  
253, 208) }
```

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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