

# Converting Colors

$Y_{xy}(100.0000, 0.3426, 0.3534)$

Have a look what the booklet for  
Yxy(100.0000, 0.3426, 0.3534)  
contains.

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# **Color**

**Yxy(96.3718, 0.3301, 0.3543)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFCE2
RGB	255, 252, 226
RGB Percent	100%, 99%, 89%
CMY	0.0000, 0.0118, 0.1136
CMYK	0.00, 0.01, 0.11, 0.00
HSL	54°, 100%, 94%
HSV	54°, 11%, 100%
XYZ	89.7892, 96.3718, 85.8452
YIQ	249.9330, 10.1340, -7.4500

# Conversions

## Conversions Part 2

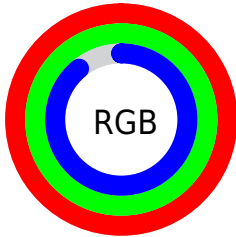
Format	Color
R <sub>Y</sub> B	229, 255, 226
Decimal	16776418
CIE Lab	98.58, -3.27, 12.79
CIE LCh	99, 13.201, 104.357
Yxy	96.3718, 0.3301, 0.3543
Android (android.graphics.Color)	4294966498 (0xFFFFFCE2)
YUV	249.9330, -11.7990, 4.4438
Hunter-Lab	98.1691, -8.5331, 16.8716

# Details

The Yxy color 96.3718, 0.3301, 0.3543 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 79.4559, 0.2948, 0.3024, and the grayscale version is 95.6329, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.9763, 0.3334, 0.3588 is the 20% darker color. If you saturate the color by 10%, you get 93.4226, 0.3461, 0.3773, and if you desaturate by 10%, it is 99.5498, 0.3147, 0.3320.

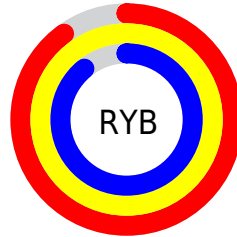
# Distribution



Red (100%)

Green (99%)

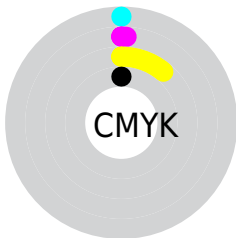
Blue (89%)



Red (90%)

Yellow (100%)

Blue (89%)

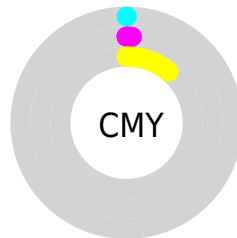


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.3718, 0.3301, 0.3543 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 96.3718, 0.3301, 0.3543 by changing the saturation by 10% instead.




 96.3718, 0.3301,  
0.3543

 96.3718, 0.3301,  
0.3543


548.5474, 0.3225,  
0.3431

 73.2773, 0.3317,  
0.3567

156.1584, 0.3275,  
0.3505

 54.2027, 0.3337,  
0.3597


193.6193, 0.3265,  
0.3490

 38.7637, 0.3362,  
0.3634


236.6378, 0.3256,  
0.3477

 26.5760, 0.3393,  
0.3681

285.5982, 0.3249,  
0.3466

 17.2550, 0.3433,  
0.3742

340.8850, 0.3242,  
0.3455

 10.4165, 0.3487,  
0.3826

402.8825, 0.3235,

 5.6760, 0.3563,

0.3446

0.3947

471.9752, 0.3230,  
0.3438

■ 2.6491, 0.3679,  
0.4137

■ 0.9514, 0.4298,  
0.4970

■ 96.3718, 0.3301,  
0.3543

■ 96.3718, 0.3301,  
0.3543

■ 93.4226, 0.3461,  
0.3773

99.5498, 0.3147,  
0.3320

■ 90.6968, 0.3625,  
0.4002

100.0000, 0.3127,  
0.3290

■ 88.1831, 0.3788,  
0.4224

■ 85.8708, 0.3942,  
0.4427

■ 83.7481, 0.4082,  
0.4603

■ 81.8017, 0.4200,  
0.4741

■ 80.0165, 0.4292,  
0.4835

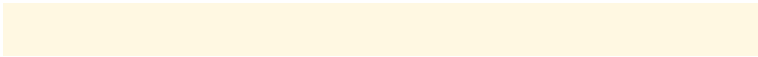
■ 78.3741, 0.4356,  
0.4883

■ 77.0458, 0.4392,  
0.4895

# Harmonies

## Analogous

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



96.3718, 0.3392, 0.3493



96.3718, 0.3301, 0.3543



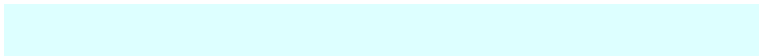
96.3718, 0.3165, 0.3523

# Triad

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



96.3718, 0.3301, 0.3543



96.3718, 0.2852, 0.3179



96.3718, 0.3231, 0.3150

# Complementary

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



96.3718, 0.3301, 0.3543



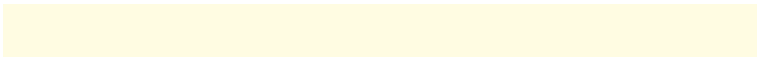
79.4559, 0.2948, 0.3024

# Split Complementary

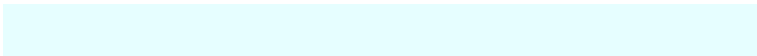
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3718, 0.3085, 0.3070



96.3718, 0.3301, 0.3543



96.3718, 0.2868, 0.3084

# Square

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



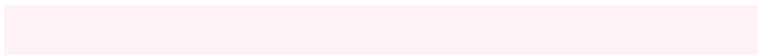
96.3718, 0.3301, 0.3543



96.3718, 0.2907, 0.3309



96.3718, 0.2952, 0.3045

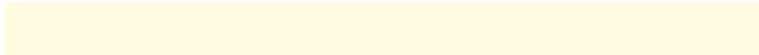


96.3718, 0.3352, 0.3266

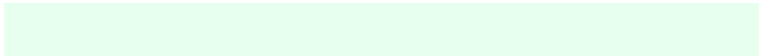


# Rectangle

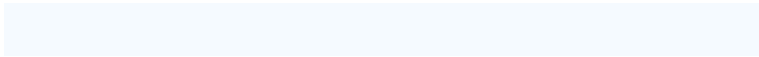
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.3718, 0.3301, 0.3543



96.3718, 0.3067, 0.3472



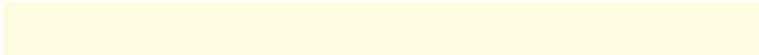
96.3718, 0.2952, 0.3045



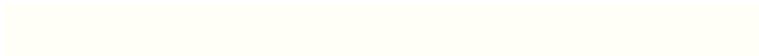
96.3718, 0.3183, 0.3118

# Sweetspot

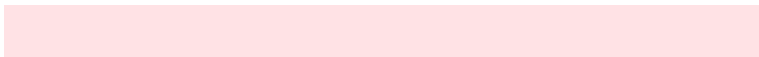
The Sweet Spot groups the original color and five complimentary colors.



96.3705, 0.3301, 0.3543



99.0117, 0.3172, 0.3356



81.3526, 0.3309, 0.3257



21.1368, 0.3184, 0.3373



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.



96.3705, 0.3301, 0.3543



95.5697, 0.3343, 0.3603



96.2276, 0.3226, 0.3578



20.7496, 0.3272, 0.3501



40.3886, 0.4388, 0.4898



4.0213, 0.4363, 0.4918



# Inverse Universe

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



79.4559, 0.2948, 0.3024



75.1042, 0.2903, 0.2956



79.6607, 0.3020, 0.2999



17.6809, 0.2979, 0.3070



4.2674, 0.1520, 0.0670

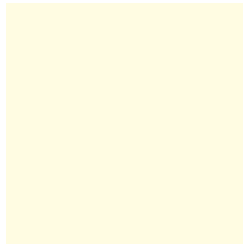


0.5109, 0.1557, 0.0803



# Previews

## White Background



This preview shows how the Yxy color 96.3718, 0.3301, 0.3543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

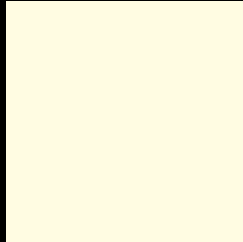
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.3718, 0.3301, 0.3543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

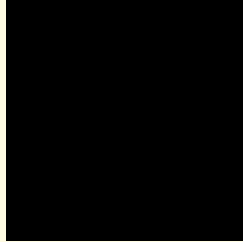
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.3718, 0.3301, 0.3543**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.3718, 0.3301, 0.3543.



This preview shows how white text looks on a background with the Yxy color 96.3718, 0.3301, 0.3543.

# 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

96.3718, 0.3301, 0.3543



### Protanopia

96.6052, 0.3212, 0.3387

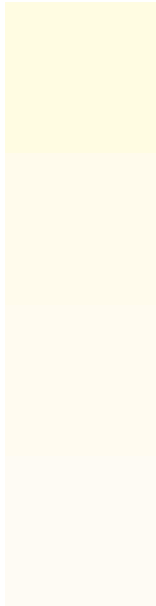
### Deuteranopia

96.4085, 0.3171, 0.3309

## Tritanopia

96.6620, 0.3123, 0.3242

# Trichromacy



## Original Color

96.3718, 0.3301, 0.3543

## Protanomaly

96.3105, 0.3242, 0.3435

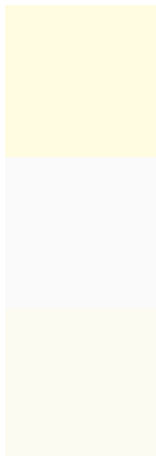
## Deuteranomaly

96.5456, 0.3218, 0.3396

## Tritanomaly

96.5968, 0.3187, 0.3358

# Monochromacy



## Original Color

96.3718, 0.3301, 0.3543

## Achromatopsia

95.5973, 0.3127, 0.3290

## Achromatomaly

96.0407, 0.3192, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.3718, 0.3301, 0.3543 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, 252, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 226)  
}
```

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, 252, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 96.3718, 0.3301, 0.3543 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, 252, 226) }
```

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

```
.border{ border-color:rgb(255, 252, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.3718, 0.3301, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 226) }
```

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

```
.background{ background-color: rgb(255,  
252, 226) }
```

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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