

# Converting Colors

$Yxy(96.2673, 0.3293, 0.3528)$

Have a look what the booklet for  
Yxy(96.2673, 0.3293, 0.3528)  
contains.

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# **Color**

**Yxy(96.4269, 0.3295, 0.3534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCE3
RGB	255, 252, 227
RGB Percent	100%, 99%, 89%
CMY	0.0001, 0.0117, 0.1099
CMYK	0.00, 0.01, 0.11, 0.00
HSL	54°, 100%, 94%
HSV	54°, 11%, 100%
XYZ	89.9057, 96.4269, 86.5223
YIQ	250.0470, 9.8130, -7.1390

# Conversions

## Conversions Part 2

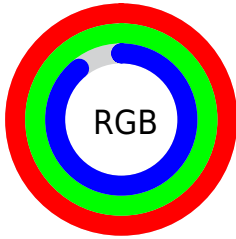
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 255, 227
Decimal	16776419
CIE <sub>Lab</sub>	98.60, -3.16, 12.34
CIE <sub>LCh</sub>	99, 12.738, 104.342
Yxy	96.4269, 0.3295, 0.3534
Android (android.graphics.Color)	4294966499 (0xFFFFFCE3)
YUV	250.0470, -11.3622, 4.3438
Hunter-Lab	98.1972, -8.4172, 16.4972

# Details

The Yxy color 96.4269, 0.3295, 0.3534 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.0993, 0.2954, 0.3034, and the grayscale version is 95.7273, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0145, 0.3326, 0.3575 is the 20% darker color. If you saturate the color by 10%, you get 93.4441, 0.3456, 0.3763, and if you desaturate by 10%, it is 99.6507, 0.3142, 0.3311.

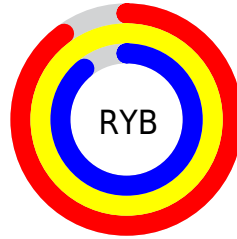
# Distribution



Red (100%)

Green (99%)

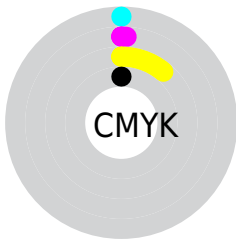
Blue (89%)



Red (90%)

Yellow (100%)

Blue (89%)

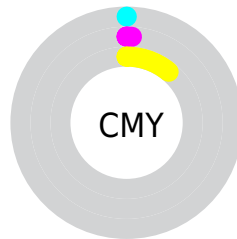


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4269, 0.3295, 0.3534 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 96.4269, 0.3295, 0.3534 by changing the saturation by 10% instead.




 96.4269, 0.3295,  
0.3534

 96.4269, 0.3295,  
0.3534

548.7230, 0.3222,  
0.3426

 73.3232, 0.3311,  
0.3558


156.2345, 0.3270,  
0.3497

 54.2402, 0.3330,  
0.3586


193.7071, 0.3260,  
0.3483

 38.7938, 0.3354,  
0.3622


236.7381, 0.3252,  
0.3470

 26.5993, 0.3383,  
0.3667

285.7119, 0.3244,  
0.3459

 17.2725, 0.3422,  
0.3726

341.0129, 0.3238,  
0.3450

 10.4290, 0.3474,  
0.3807

403.0255, 0.3232,

 5.6843, 0.3549,

0.3441

0.3924

472.1341, 0.3226,  
0.3433

■ 2.6541, 0.3661,  
0.4107

■ 0.9539, 0.4233,  
0.4877

■ 96.4269, 0.3295,  
0.3534

■ 96.4269, 0.3295,  
0.3534

■ 93.4441, 0.3456,  
0.3763

99.6507, 0.3142,  
0.3311

■ 90.6804, 0.3620,  
0.3993

99.9959, 0.3127,  
0.3290

■ 88.1300, 0.3783,  
0.4214

■ 85.7823, 0.3938,  
0.4418

■ 83.6255, 0.4079,  
0.4594

■ 81.6464, 0.4198,  
0.4734

■ 79.8298, 0.4292,  
0.4829

■ 78.1578, 0.4358,  
0.4879

■ 76.7489, 0.4396,  
0.4891

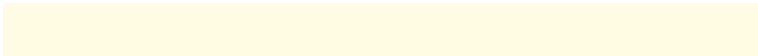
# Harmonies

## Analogous

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



96.4269, 0.3383, 0.3486



96.4269, 0.3295, 0.3534



96.4269, 0.3163, 0.3515

# Triad

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



96.4269, 0.3295, 0.3534



96.4269, 0.2861, 0.3183



96.4269, 0.3228, 0.3155

# Complementary

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



96.4269, 0.3295, 0.3534



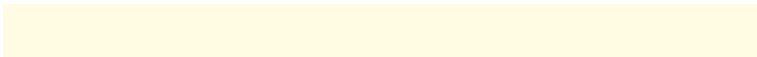
80.0993, 0.2954, 0.3034

# Split Complementary

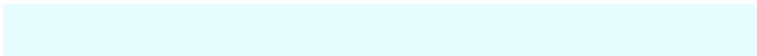
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4269, 0.3086, 0.3078



96.4269, 0.3295, 0.3534



96.4269, 0.2877, 0.3091

# Square

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



96.4269, 0.3295, 0.3534



96.4269, 0.2914, 0.3308



96.4269, 0.2958, 0.3054

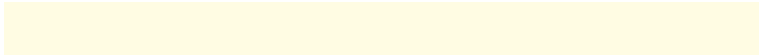


96.4269, 0.3344, 0.3267

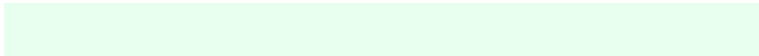


# Rectangle

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



96.4269, 0.3295, 0.3534



96.4269, 0.3069, 0.3465



96.4269, 0.2958, 0.3054



96.4269, 0.3181, 0.3124

# Sweetspot

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



96.4311, 0.3295, 0.3534



99.0019, 0.3172, 0.3356



81.9031, 0.3302, 0.3258



21.1342, 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.



96.4311, 0.3295, 0.3534



95.8293, 0.3327, 0.3580



96.3269, 0.3223, 0.3568



20.7431, 0.3272, 0.3501



40.2432, 0.4392, 0.4894



4.0086, 0.4367, 0.4915



# Inverse Universe

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



80.0993, 0.2954, 0.3034



76.7691, 0.2920, 0.2983



80.2655, 0.3024, 0.3009



17.6868, 0.2979, 0.3070



4.2810, 0.1520, 0.0672

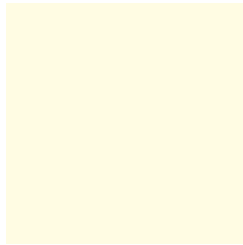


0.5137, 0.1558, 0.0807



# Previews

## White Background



This preview shows how the Yxy color 96.4269, 0.3295, 0.3534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

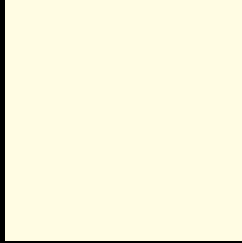
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4269, 0.3295, 0.3534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

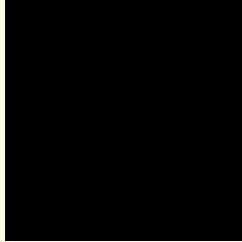
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.4269, 0.3295, 0.3534**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4269, 0.3295, 0.3534.



This preview shows how white text looks on a background with the Yxy color 96.4269, 0.3295, 0.3534.

# 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

96.4269, 0.3295, 0.3534



### Protanopia

96.6652, 0.3206, 0.3377

### Deuteranopia

96.4708, 0.3165, 0.3300

## Tritanopia

96.6620, 0.3123, 0.3242

# Trichromacy



## Original Color

96.4269, 0.3295, 0.3534

## Protanomaly

96.3688, 0.3236, 0.3426

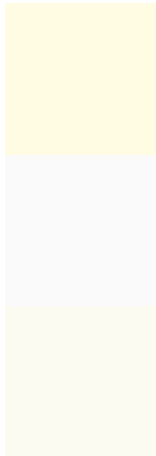
## Deuteranomaly

96.6052, 0.3212, 0.3387

## Tritanomaly

96.6578, 0.3181, 0.3348

# Monochromacy



## Original Color

96.4269, 0.3295, 0.3534

## Achromatopsia

95.5973, 0.3127, 0.3290

## Achromatomaly

96.1006, 0.3186, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4269, 0.3295, 0.3534 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4269, 0.3295, 0.3534 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, 227) }
```

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

```
.border{ border-color:rgb(255, 252, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4269, 0.3295, 0.3534 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
252, 227) }
```

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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