

# Converting Colors

$Yxy(96.6109, 0.3280, 0.3509)$

Have a look what the booklet for  
Yxy(96.6109, 0.3280, 0.3509)  
contains.

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# Color

**Yxy(96.5940, 0.3277, 0.3504)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFCE6
RGB	255, 252, 230
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0118, 0.0981
CMYK	0.00, 0.01, 0.10, 0.00
HSL	53°, 100%, 95%
HSV	53°, 10%, 100%
XYZ	90.3363, 96.5940, 88.7375
YIQ	250.3890, 8.8500, -6.2060

# Conversions

## Conversions Part 2

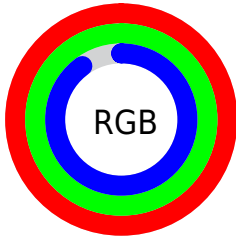
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 255, 230
Decimal	16776422
CIE <sub>Lab</sub>	98.67, -2.66, 10.89
CIE <sub>LCh</sub>	99, 11.208, 103.720
Yxy	96.5940, 0.3277, 0.3504
Android (android.graphics.Color)	4294966502 (0xFFFFFCE6)
YUV	250.3890, -10.0518, 4.0438
Hunter-Lab	98.2822, -7.9253, 15.2656

# Details

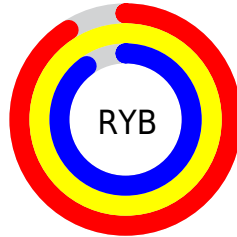
The Yxy color 96.5940, 0.3277, 0.3504 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.3121, 0.2974, 0.3067, and the grayscale version is 96.0153, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0920, 0.3311, 0.3550 is the 20% darker color. If you saturate the color by 10%, you get 93.3614, 0.3438, 0.3729, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

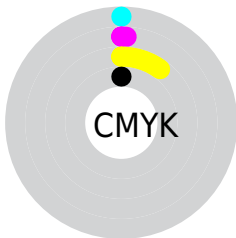
# Distribution



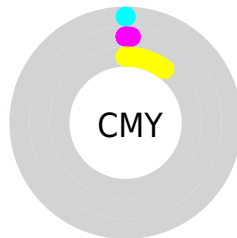
- Red (100%)
- Green (99%)
- Blue (90%)



- Red (91%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.5940, 0.3277, 0.3504 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 96.5940, 0.3277, 0.3504 by changing the saturation by 10% instead.




 96.5940, 0.3277,  
0.3504

 96.5940, 0.3277,  
0.3504


549.2555, 0.3211,  
0.3409

 73.4624, 0.3291,  
0.3525


156.4649, 0.3255,  
0.3472

 54.3541, 0.3308,  
0.3550


193.9731, 0.3246,  
0.3459

 38.8848, 0.3329,  
0.3581


237.0421, 0.3238,  
0.3448

 26.6702, 0.3356,  
0.3620

286.0565, 0.3232,  
0.3439

 17.3257, 0.3391,  
0.3672

341.4007, 0.3226,  
0.3430

 10.4669, 0.3438,  
0.3742

403.4590, 0.3220,

 5.7096, 0.3505,

0.3422

0.3845

472.6158, 0.3216,  
0.3416

■ 2.6693, 0.3608,  
0.4006

■ 0.9616, 0.4049,  
0.4596

■ 96.5940, 0.3277,  
0.3504

■ 96.5940, 0.3277,  
0.3504

■ 93.3614, 0.3438,  
0.3729


100.0000, 0.3127,  
0.3290


■ 90.3590, 0.3603,  
0.3956

■ 87.5780, 0.3769,  
0.4176


■ 85.0076, 0.3928,  
0.4381

 82.6363, 0.4075,  
0.4559

 80.4509, 0.4202,  
0.4702

 78.4366, 0.4304,  
0.4801

 76.5756, 0.4377,  
0.4855

 74.8398, 0.4425,  
0.4868

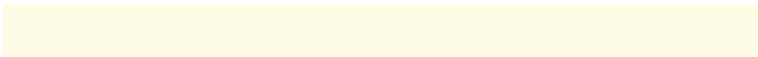
# Harmonies

## Analogous

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



96.5940, 0.3353, 0.3461



96.5940, 0.3277, 0.3504



96.5940, 0.3162, 0.3488

# Triad

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



96.5940, 0.3277, 0.3504



96.5940, 0.2893, 0.3199



96.5940, 0.3213, 0.3169

# Complementary

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



96.5940, 0.3277, 0.3504



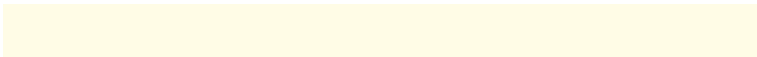
82.3121, 0.2974, 0.3067

# Split Complementary

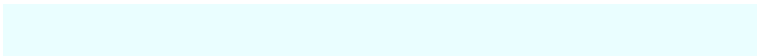
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5940, 0.3089, 0.3102



96.5940, 0.3277, 0.3504



96.5940, 0.2906, 0.3116

# Square

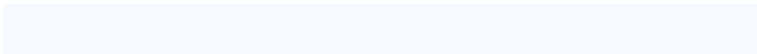
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.5940, 0.3277, 0.3504



96.5940, 0.2941, 0.3309



96.5940, 0.2977, 0.3082

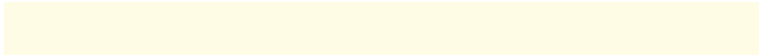


96.5940, 0.3316, 0.3268

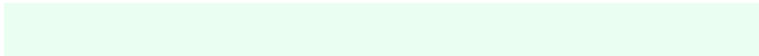


# Rectangle

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



96.5940, 0.3277, 0.3504



96.5940, 0.3079, 0.3445



96.5940, 0.2977, 0.3082



96.5940, 0.3172, 0.3142

# Sweetspot

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



96.5950, 0.3277, 0.3504



98.9334, 0.3172, 0.3354



83.7499, 0.3278, 0.3258



21.1156, 0.3184, 0.3372



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.



96.5950, 0.3277, 0.3504



95.8659, 0.3312, 0.3553



96.7947, 0.3215, 0.3537



20.6971, 0.3272, 0.3497



39.2355, 0.4421, 0.4871



3.9206, 0.4392, 0.4895



# Inverse Universe

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



82.3121, 0.2974, 0.3067



78.6552, 0.2937, 0.3013



82.1867, 0.3033, 0.3040



17.7283, 0.2979, 0.3074



4.3823, 0.1524, 0.0686

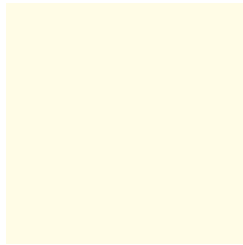


0.5332, 0.1565, 0.0833



# Previews

## White Background



This preview shows how the Yxy color 96.5940, 0.3277, 0.3504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

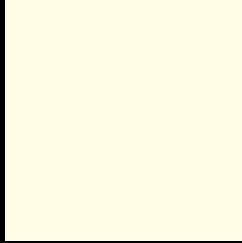
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.5940, 0.3277, 0.3504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

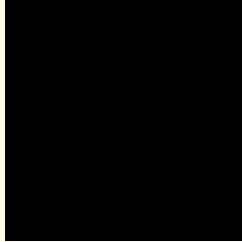
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.5940, 0.3277, 0.3504**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.5940, 0.3277, 0.3504.

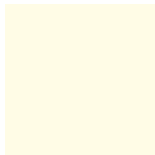


This preview shows how white text looks on a background with the Yxy color 96.5940, 0.3277, 0.3504.

# Color Blindness Simulation

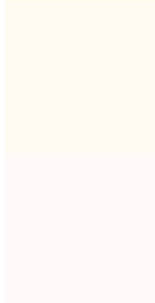
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.5940, 0.3277, 0.3504



### Protanopia

96.7254, 0.3200, 0.3367

### Deuteranopia

96.4708, 0.3165, 0.3300

## Tritanopia

96.4739, 0.3117, 0.3242

# Trichromacy



**Original Color**

96.5940, 0.3277, 0.3504

**Protanomaly**

96.4274, 0.3230, 0.3416

**Deuteranomaly**

96.6652, 0.3206, 0.3377

**Tritanomaly**

96.7190, 0.3176, 0.3338

# Monochromacy



**Original Color**

96.5940, 0.3277, 0.3504

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.1609, 0.3181, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.5940, 0.3277, 0.3504 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 96.5940, 0.3277, 0.3504 is called "border". The border property can be set on classes, ids or directly on the HTML element.

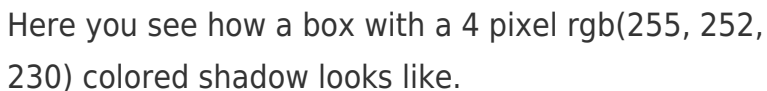
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 252, 230) }
```

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

```
.border{ border-color:rgb(255, 252, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 252, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 252, 230); box-shadow:4px 4px 4px 4px rgb(255, 252, 230) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.5940, 0.3277, 0.3504 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
252, 230) }
```

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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