

# Converting Colors

$Y_{xy}(100.0000, 0.3320, 0.3367)$

Have a look what the booklet for  
Yxy(100.0000, 0.3320, 0.3367)  
contains.

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# Color

**Yxy(96.6652, 0.3206, 0.3377)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFBF2
RGB	255, 251, 242
RGB Percent	100%, 98%, 95%
CMY	0.0000, 0.0157, 0.0511
CMYK	0.00, 0.02, 0.05, 0.00
HSL	42°, 100%, 97%
HSV	42°, 5%, 100%
XYZ	91.7704, 96.6652, 97.8102
YIQ	251.1700, 5.2730, -1.9510

# Conversions

## Conversions Part 2

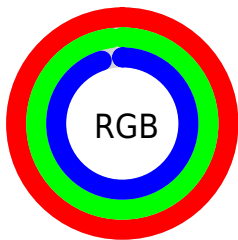
Format	Color
<a href="#">RYB</a>	<a href="#">248, 255, 242</a>
Decimal	<a href="#">16776178</a>
CIELab	<a href="#">98.70, -0.19, 4.78</a>
CIElCh	<a href="#">99, 4.779, 92.302</a>
Yxy	<a href="#">96.6652, 0.3206, 0.3377</a>
Android (android.graphics.Color)	<a href="#">4294966258</a> ( <a href="#">0xFFFFBF2</a> )
YUV	<a href="#">251.1700, -4.5208, 3.3589</a>
Hunter-Lab	<a href="#">98.3185, -5.4455, 9.8394</a>

# Details

The Yxy color 96.6652, 0.3206, 0.3377 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.9955, 0.3049, 0.3201, and the grayscale version is 96.6497, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5812, 0.3219, 0.3400 is the 20% darker color. If you saturate the color by 10%, you get 90.4401, 0.3372, 0.3554, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

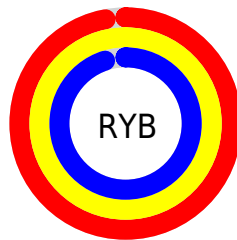
# Distribution



Red (100%)

Green (98%)

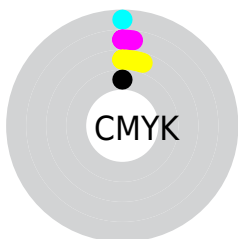
Blue (95%)



Red (97%)

Yellow (100%)

Blue (95%)

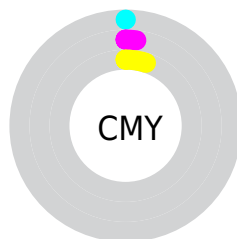


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.6652, 0.3206, 0.3377 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 96.6652, 0.3206, 0.3377 by changing the saturation by 10% instead.



 96.6652, 0.3206,  
0.3377

 96.6652, 0.3206,  
0.3377

549.4823, 0.3171,  
0.3339

 73.5217, 0.3214,  
0.3385


156.5631, 0.3194,  
0.3364

 54.4027, 0.3223,  
0.3395


194.0864, 0.3190,  
0.3359

 38.9237, 0.3234,  
0.3408


237.1716, 0.3186,  
0.3355

 26.7004, 0.3248,  
0.3424

286.2033, 0.3182,  
0.3351

 17.3483, 0.3267,  
0.3444

341.5659, 0.3179,  
0.3347

 10.4831, 0.3292,  
0.3472

403.6436, 0.3176,

 5.7205, 0.3329,

0.3344

0.3513

472.8209, 0.3174,  
0.3341

■ 2.6759, 0.3387,  
0.3578

■ 0.9649, 0.3520,  
0.3723

■ 96.6652, 0.3206,  
0.3377

■ 96.6652, 0.3206,  
0.3377

■ 90.4401, 0.3372,  
0.3554

100.0000, 0.3127,  
0.3290

■ 84.6222, 0.3553,  
0.3737

■ 79.1977, 0.3746,  
0.3921

■ 74.1538, 0.3949,  
0.4097

■ 69.4770, 0.4155,  
0.4258

■ 65.1525, 0.4355,  
0.4390

■ 61.1637, 0.4540,  
0.4484

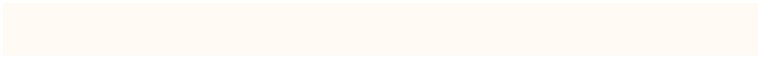
■ 57.4920, 0.4699,  
0.4530

■ 54.1146, 0.4826,  
0.4524

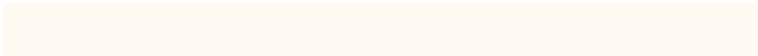
# Harmonies

## Analogous

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



96.6652, 0.3229, 0.3351



96.6652, 0.3206, 0.3377



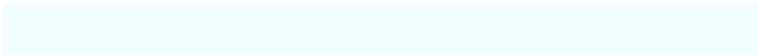
96.6652, 0.3162, 0.3379

# Triad

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



96.6652, 0.3206, 0.3377



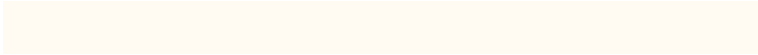
96.6652, 0.3032, 0.3269



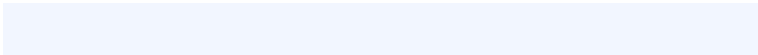
96.6652, 0.3144, 0.3225

# Complementary

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



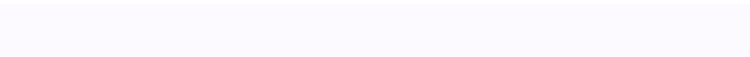
96.6652, 0.3206, 0.3377



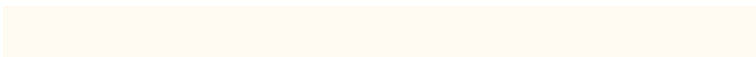
91.9955, 0.3049, 0.3201

# 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.



96.6652, 0.3092, 0.3203



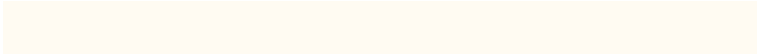
96.6652, 0.3206, 0.3377



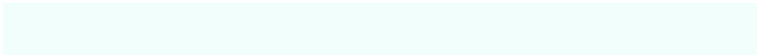
96.6652, 0.3027, 0.3228

# Square

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



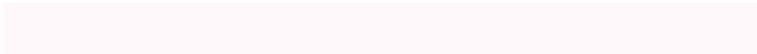
96.6652, 0.3206, 0.3377



96.6652, 0.3062, 0.3317



96.6652, 0.3049, 0.3204

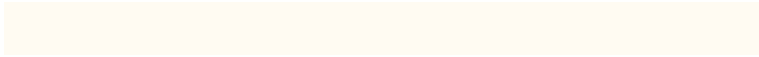


96.6652, 0.3193, 0.3264



# Rectangle

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



96.6652, 0.3206, 0.3377



96.6652, 0.3127, 0.3367



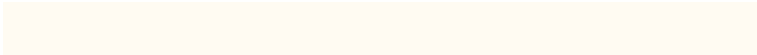
96.6652, 0.3049, 0.3204



96.6652, 0.3127, 0.3215

# Sweetspot

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



96.6632, 0.3206, 0.3377



98.6797, 0.3157, 0.3324



91.4137, 0.3187, 0.3250



21.1354, 0.3156, 0.3322



0.0000, 0.0000, 0.0000

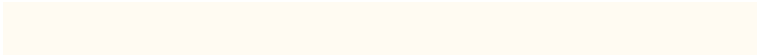


21.4041, 0.3127, 0.3290

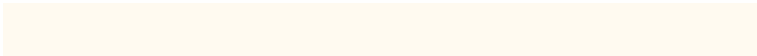


# Same Dimension

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



96.6632, 0.3206, 0.3377



96.0895, 0.3220, 0.3393



98.7399, 0.3188, 0.3416



20.4779, 0.3230, 0.3404



27.7376, 0.4865, 0.4519

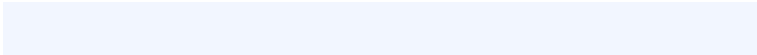


2.8945, 0.4770, 0.4595



# Inverse Universe

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



91.9955, 0.3049, 0.3201



90.6369, 0.3035, 0.3185



90.0126, 0.3065, 0.3162



19.1896, 0.3025, 0.3173



6.8785, 0.1614, 0.1011

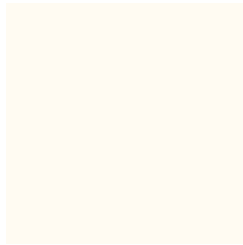


0.8535, 0.1675, 0.1231



# Previews

## White Background



This preview shows how the Yxy color 96.6652, 0.3206, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

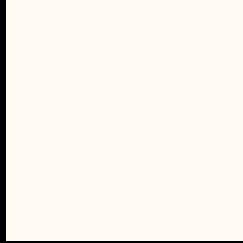
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.6652, 0.3206, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

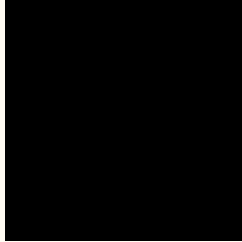
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.6652, 0.3206, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.6652, 0.3206, 0.3377.



This preview shows how white text looks on a background with the Yxy color 96.6652, 0.3206, 0.3377.

# 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**

96.6652, 0.3206, 0.3377

**Protanopia**

96.9082, 0.3182, 0.3338

**Deuteranopia**

96.5333, 0.3159, 0.3290

## Tritanopia

96.4739, 0.3117, 0.3242

# Trichromacy

## Original Color

96.6652, 0.3206, 0.3377

## Protanomaly

96.8469, 0.3188, 0.3348

## Deuteranomaly

96.3466, 0.3177, 0.3319

## Tritanomaly

96.3442, 0.3152, 0.3290

# Monochromacy

## Original Color

96.6652, 0.3206, 0.3377

## Achromatopsia

96.4686, 0.3127, 0.3290

## Achromatomaly

96.4671, 0.3151, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.6652, 0.3206, 0.3377 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, 251, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 242)  
}
```

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, 251, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 96.6652, 0.3206, 0.3377 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, 251, 242) }
```

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

```
.border{ border-color:rgb(255, 251, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.6652, 0.3206, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 242) }
```

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

```
.background{ background-color: rgb(255,  
251, 242) }
```

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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