

# Converting Colors

$Y_{xy}(98.5050, 0.3282, 0.3374)$

Have a look what the booklet for  
Yxy(98.5050, 0.3282, 0.3374)  
contains.

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# **Color**

**Yxy(96.0420, 0.3206, 0.3367)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFAF2
RGB	255, 250, 242
RGB Percent	100%, 98%, 95%
CMY	0.0001, 0.0196, 0.0508
CMYK	0.00, 0.02, 0.05, 0.00
HSL	37°, 100%, 97%
HSV	37°, 5%, 100%
XYZ	91.4496, 96.0420, 97.7535
YIQ	250.5830, 5.5480, -1.4280

# Conversions

## Conversions Part 2

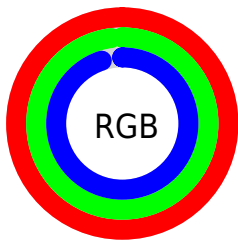
Format	Color
R <sub>Y</sub> B	250, 255, 242
Decimal	16775922
CIE Lab	98.45, 0.30, 4.39
CIE LCh	98, 4.396, 86.137
Yxy	96.0420, 0.3206, 0.3367
Android (android.graphics.Color)	4294966002 (0xFFFFFAF2)
YUV	250.5830, -4.2314, 3.8737
Hunter-Lab	98.0010, -4.9347, 9.4605

# Details

The Yxy color 96.0420, 0.3206, 0.3367 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.6262, 0.3049, 0.3212, and the grayscale version is 96.1395, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1345, 0.3220, 0.3388 is the 20% darker color. If you saturate the color by 10%, you get 88.6952, 0.3375, 0.3525, and if you desaturate by 10%, it is 99.9949, 0.3127, 0.3290.

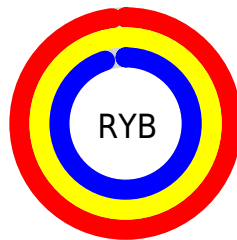
# Distribution



Red (100%)

Green (98%)

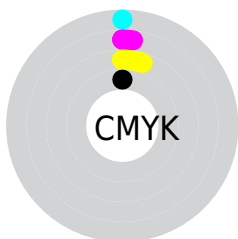
Blue (95%)



Red (98%)

Yellow (100%)

Blue (95%)

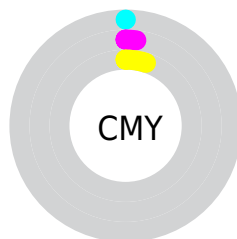


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0420, 0.3206, 0.3367 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 96.0420, 0.3206, 0.3367 by changing the saturation by 10% instead.



 96.0420, 0.3206,  
0.3367

 96.0420, 0.3206,  
0.3367

547.4955, 0.3171,  
0.3333

 73.0025, 0.3214,  
0.3374


155.7034, 0.3194,  
0.3356

 53.9780, 0.3223,  
0.3383


193.0941, 0.3190,  
0.3351

 38.5841, 0.3234,  
0.3394


236.0373, 0.3186,  
0.3347

 26.4363, 0.3248,  
0.3408

284.9175, 0.3182,  
0.3344

 17.1504, 0.3267,  
0.3427

340.1190, 0.3179,  
0.3341

 10.3417, 0.3293,  
0.3451

402.0263, 0.3176,

 5.6261, 0.3330,

0.3338

0.3488

471.0236, 0.3174,  
0.3335

■ 2.6191, 0.3389,  
0.3545

■ 0.9363, 0.3526,  
0.3678

■ 96.0420, 0.3206,  
0.3367

■ 96.0420, 0.3206,  
0.3367

■ 88.6952, 0.3375,  
0.3525

99.9949, 0.3127,  
0.3290

■ 81.8598, 0.3563,  
0.3690

■ 75.5256, 0.3769,  
0.3855

■ 69.6777, 0.3989,  
0.4015

■ 64.2998, 0.4219,  
0.4160

■ 59.3746, 0.4448,  
0.4278

■ 54.8829, 0.4667,  
0.4358

■ 50.8032, 0.4862,  
0.4388

■ 47.1099, 0.5023,  
0.4365

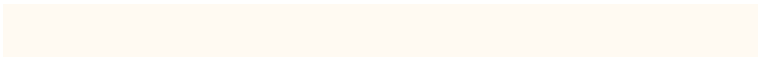
# Harmonies

## Analogous

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



96.0420, 0.3222, 0.3340



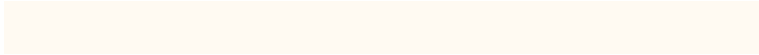
96.0420, 0.3206, 0.3367



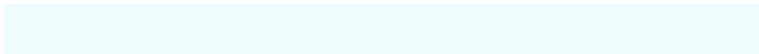
96.0420, 0.3169, 0.3374

# Triad

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



96.0420, 0.3206, 0.3367



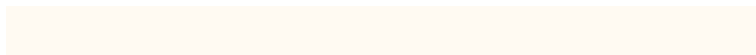
96.0420, 0.3043, 0.3280



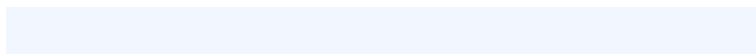
96.0420, 0.3133, 0.3224

# Complementary

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



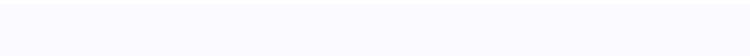
96.0420, 0.3206, 0.3367



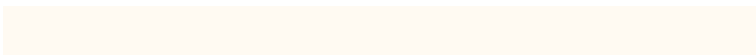
92.6262, 0.3049, 0.3212

# 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.



96.0420, 0.3085, 0.3208



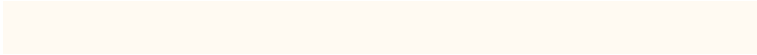
96.0420, 0.3206, 0.3367



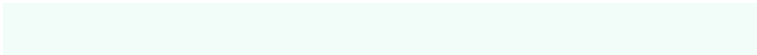
96.0420, 0.3034, 0.3240

# Square

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



96.0420, 0.3206, 0.3367



96.0420, 0.3075, 0.3323



96.0420, 0.3049, 0.3214

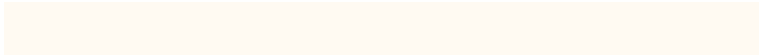


96.0420, 0.3180, 0.3258



# Rectangle

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



96.0420, 0.3206, 0.3367



96.0420, 0.3137, 0.3365



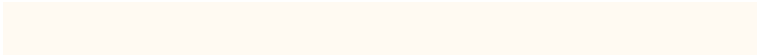
96.0420, 0.3049, 0.3214



96.0420, 0.3117, 0.3217

# Sweetspot

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



96.0462, 0.3206, 0.3367



98.4337, 0.3158, 0.3320



91.5122, 0.3180, 0.3240



21.0854, 0.3156, 0.3319



0.0000, 0.0000, 0.0000

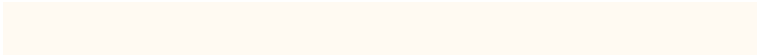


21.4041, 0.3127, 0.3290

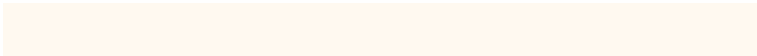


# Same Dimension

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



96.0462, 0.3206, 0.3367



95.3648, 0.3221, 0.3381



98.9264, 0.3194, 0.3415



20.3065, 0.3232, 0.3392



24.0345, 0.5074, 0.4353

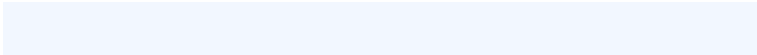


2.5517, 0.4946, 0.4455

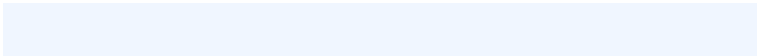


# Inverse Universe

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



92.6262, 0.3049, 0.3212



91.3434, 0.3035, 0.3197



89.8613, 0.3058, 0.3163



19.3563, 0.3024, 0.3186



8.5881, 0.1670, 0.1211

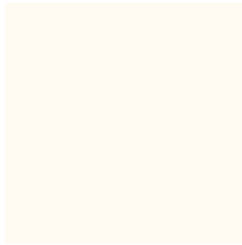


1.0398, 0.1732, 0.1436



# Previews

## White Background



This preview shows how the Yxy color 96.0420, 0.3206, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

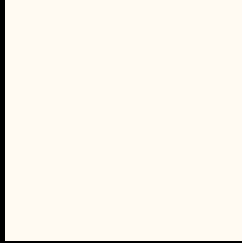
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.0420, 0.3206, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

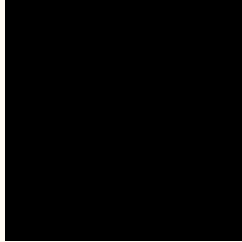
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.0420, 0.3206, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.0420, 0.3206, 0.3367.



This preview shows how white text looks on a background with the Yxy color 96.0420, 0.3206, 0.3367.

# 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**

96.0420, 0.3206, 0.3367

**Protanopia**

96.1629, 0.3194, 0.3348

**Deuteranopia**

95.8509, 0.3165, 0.3290

## Tritanopia

95.8540, 0.3117, 0.3233

# Trichromacy

## Original Color

96.0420, 0.3206, 0.3367

## Protanomaly

96.1023, 0.3200, 0.3358

## Deuteranomaly

95.6652, 0.3183, 0.3319

## Tritanomaly

95.7243, 0.3153, 0.3280

# Monochromacy

## Original Color

96.0420, 0.3206, 0.3367

## 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 96.0420, 0.3206, 0.3367 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, 250, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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, 250, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 96.0420, 0.3206, 0.3367 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, 250, 242) }
```

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

```
.border{ border-color:rgb(255, 250, 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, 250, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.0420, 0.3206, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 242) }
```

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

```
.background{ background-color: rgb(255,  
250, 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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