

# Converting Colors

$Y_{xy}(100.0000, 0.3351, 0.3401)$

Have a look what the booklet for  
Yxy(100.0000, 0.3351, 0.3401)  
contains.

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# **Color**

**Yxy(96.4864, 0.3224, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBEF
RGB	255, 251, 239
RGB Percent	100%, 98%, 94%
CMY	0.0000, 0.0157, 0.0628
CMYK	0.00, 0.02, 0.06, 0.00
HSL	45°, 100%, 97%
HSV	45°, 6%, 100%
XYZ	91.3306, 96.4864, 95.4666
YIQ	250.8280, 6.2360, -2.8840

# Conversions

## Conversions Part 2

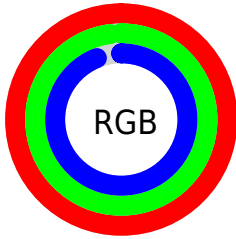
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 255, 239
Decimal	16776175
CIE Lab	98.63, -0.68, 6.21
CIE LCh	99, 6.244, 96.230
Yxy	96.4864, 0.3224, 0.3406
Android (android.graphics.Color)	4294966255 (0xFFFFBEEF)
YUV	250.8280, -5.8312, 3.6588
Hunter-Lab	98.2275, -5.9311, 11.1357

# Details

The Yxy color 96.4864, 0.3224, 0.3406 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6738, 0.3031, 0.3171, and the grayscale version is 96.3588, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4549, 0.3242, 0.3438 is the 20% darker color. If you saturate the color by 10%, you get 91.1545, 0.3388, 0.3598, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

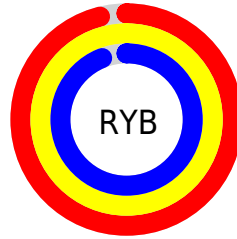
# Distribution



Red (100%)

Green (98%)

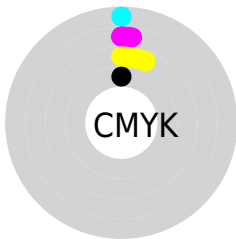
Blue (94%)



Red (96%)

Yellow (100%)

Blue (94%)

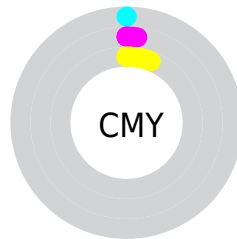


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4864, 0.3224, 0.3406 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 96.4864, 0.3224, 0.3406 by changing the saturation by 10% instead.




 96.4864, 0.3224,  
0.3406

 96.4864, 0.3224,  
0.3406

548.9127, 0.3181,  
0.3355

 73.3727, 0.3233,  
0.3417

156.3165, 0.3210,  
0.3389

 54.2808, 0.3244,  
0.3431


193.8018, 0.3204,  
0.3382

 38.8262, 0.3258,  
0.3447


236.8463, 0.3199,  
0.3376

 26.6245, 0.3276,  
0.3468

285.8346, 0.3195,  
0.3371

 17.2914, 0.3299,  
0.3496

341.1510, 0.3191,  
0.3366

 10.4425, 0.3330,  
0.3534

403.1798, 0.3187,

 5.6933, 0.3375,

0.3362

0.3589

472.3056, 0.3184,  
0.3358

■ 2.6595, 0.3446,  
0.3675

■ 0.9567, 0.3634,  
0.3898

■ 96.4864, 0.3224,  
0.3406

■ 96.4864, 0.3224,  
0.3406

■ 91.1545, 0.3388,  
0.3598

100.0000, 0.3127,  
0.3290

■ 86.1656, 0.3565,  
0.3795

■ 81.5030, 0.3751,  
0.3991

■ 77.1552, 0.3942,  
0.4178

■ 73.1096, 0.4130,  
0.4346

■ 69.3525, 0.4308,  
0.4484

■ 65.8684, 0.4467,  
0.4582

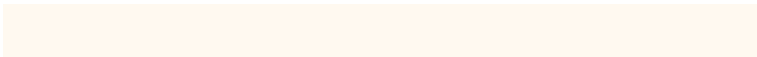
■ 62.6394, 0.4598,  
0.4633

■ 59.6438, 0.4698,  
0.4634

# Harmonies

## Analogous

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



96.4864, 0.3258, 0.3376



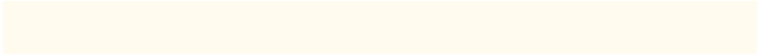
96.4864, 0.3224, 0.3406



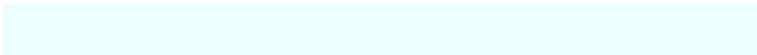
96.4864, 0.3164, 0.3405

# Triad

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



96.4864, 0.3224, 0.3406



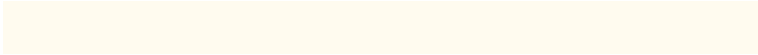
96.4864, 0.3000, 0.3255



96.4864, 0.3159, 0.3210

# Complementary

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



96.4864, 0.3224, 0.3406



89.6738, 0.3031, 0.3171

# Split Complementary

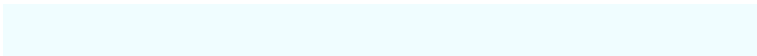
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4864, 0.3089, 0.3178



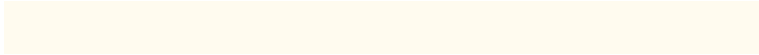
96.4864, 0.3224, 0.3406



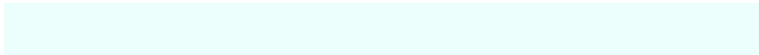
96.4864, 0.2998, 0.3203

# Square

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



96.4864, 0.3224, 0.3406



96.4864, 0.3035, 0.3317



96.4864, 0.3031, 0.3176



96.4864, 0.3220, 0.3263



# Rectangle

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



96.4864, 0.3224, 0.3406



96.4864, 0.3118, 0.3386



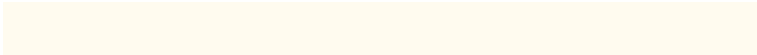
96.4864, 0.3031, 0.3176



96.4864, 0.3135, 0.3197

# Sweetspot

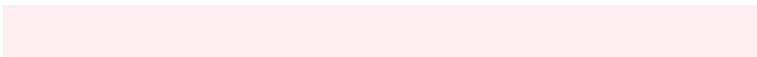
The Sweet Spot groups the original color and five complimentary colors.



96.4805, 0.3224, 0.3406



98.8635, 0.3157, 0.3327



89.4774, 0.3207, 0.3249



21.1728, 0.3156, 0.3325



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.



96.4805, 0.3224, 0.3406



95.5379, 0.3251, 0.3439



98.3103, 0.3197, 0.3445



20.2748, 0.3275, 0.3467



30.8571, 0.4720, 0.4635



3.1777, 0.4646, 0.4693



# Inverse Universe

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



89.6738, 0.3031, 0.3171



86.9637, 0.3003, 0.3137



87.9571, 0.3055, 0.3132



18.1169, 0.2979, 0.3106



5.8788, 0.1579, 0.0886



0.7370, 0.1637, 0.1094



# Previews

## White Background



This preview shows how the Yxy color 96.4864, 0.3224, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

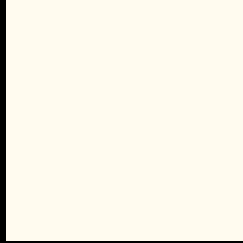
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4864, 0.3224, 0.3406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

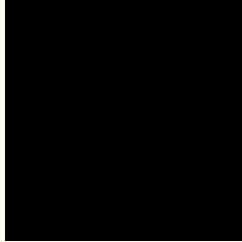
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.4864, 0.3224, 0.3406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4864, 0.3224, 0.3406.

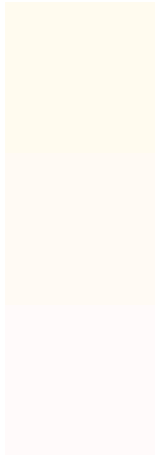


This preview shows how white text looks on a background with the Yxy color 96.4864, 0.3224, 0.3406.

# 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

96.4864, 0.3224, 0.3406

### Protanopia

96.1629, 0.3194, 0.3348

### Deuteranopia

96.5333, 0.3159, 0.3290

## **Tritanopia**

96.4739, 0.3117, 0.3242

# Trichromacy



**Original Color**

96.4864, 0.3224, 0.3406

**Protanomaly**

96.0420, 0.3206, 0.3367

**Deuteranomaly**

96.2850, 0.3183, 0.3329

**Tritanomaly**

96.2816, 0.3158, 0.3300

# Monochromacy



**Original Color**

96.4864, 0.3224, 0.3406



**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.4052, 0.3157, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4864, 0.3224, 0.3406 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4864, 0.3224, 0.3406 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, 239) }
```

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

```
.border{ border-color:rgb(255, 251, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4864, 0.3224, 0.3406 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, 239) }
```

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

```
.background{ background-color: rgb(255,  
251, 239) }
```

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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