

# Converting Colors

$Yxy(98.5383, 0.3323, 0.3454)$

Have a look what the booklet for  
Yxy(98.5383, 0.3323, 0.3454)  
contains.

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# Color

**Yxy(96.1949, 0.3254, 0.3455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBEA
RGB	255, 251, 234
RGB Percent	100%, 98%, 92%
CMY	0.0000, 0.0157, 0.0824
CMYK	0.00, 0.02, 0.08, 0.00
HSL	49°, 100%, 96%
HSV	49°, 8%, 100%
XYZ	90.5986, 96.1949, 91.6288
YIQ	250.2580, 7.8410, -4.4390

# Conversions

## Conversions Part 2

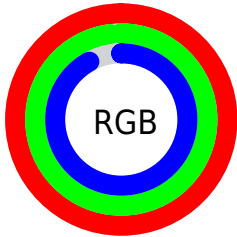
Format	Color
R <sub>Y</sub> B	239, 255, 234
Decimal	16776170
CIE Lab	98.51, -1.50, 8.61
CIE LCh	99, 8.738, 99.893
Yxy	96.1949, 0.3254, 0.3455
Android (android.graphics.Color)	4294966250 (0xFFFFFBEA)
YUV	250.2580, -8.0152, 4.1587
Hunter-Lab	98.0790, -6.7523, 13.2645

# Details

The Yxy color 96.1949, 0.3254, 0.3455 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.8605, 0.2999, 0.3119, and the grayscale version is 95.8811, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2503, 0.3280, 0.3500 is the 20% darker color. If you saturate the color by 10%, you get 91.8305, 0.3418, 0.3663, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

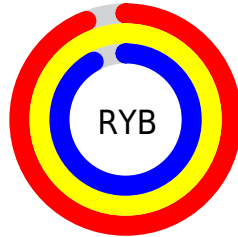
# Distribution



Red (100%)

Green (98%)

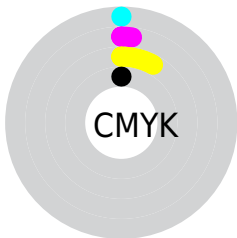
Blue (92%)



Red (94%)

Yellow (100%)

Blue (92%)

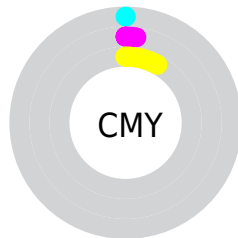


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.1949, 0.3254, 0.3455 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 96.1949, 0.3254, 0.3455 by changing the saturation by 10% instead.



 96.1949, 0.3254,  
0.3455

 96.1949, 0.3254,  
0.3455

547.9833, 0.3198,  
0.3382

 73.1299, 0.3266,  
0.3471


155.9144, 0.3235,  
0.3430

 54.0822, 0.3281,  
0.3490


193.3376, 0.3228,  
0.3421

 38.6674, 0.3299,  
0.3514


236.3158, 0.3221,  
0.3412

 26.5011, 0.3322,  
0.3544

285.2331, 0.3216,  
0.3405

 17.1989, 0.3352,  
0.3584

340.4742, 0.3210,  
0.3398

 10.3764, 0.3392,  
0.3638

402.4233, 0.3206,

 5.6492, 0.3451,

0.3392

0.3717

471.4649, 0.3202,  
0.3387

■ 2.6330, 0.3542,  
0.3841

■ 0.9433, 0.3858,  
0.4237

■ 96.1949, 0.3254,  
0.3455

■ 96.1949, 0.3254,  
0.3455

■ 91.8305, 0.3418,  
0.3663

100.0000, 0.3127,  
0.3290

■ 87.7493, 0.3590,  
0.3874

■ 83.9372, 0.3768,  
0.4081

■ 80.3834, 0.3944,  
0.4277

■ 77.0759, 0.4113,  
0.4450

■ 74.0014, 0.4267,  
0.4589

■ 71.1449, 0.4397,  
0.4687

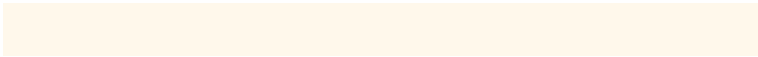
■ 68.4888, 0.4500,  
0.4738

■ 66.0089, 0.4573,  
0.4743

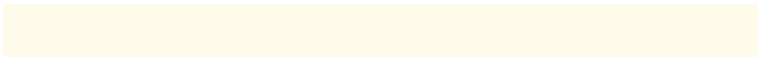
# Harmonies

## Analogous

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



96.1949, 0.3307, 0.3417



96.1949, 0.3254, 0.3455



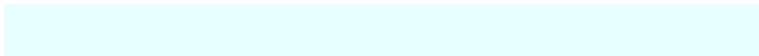
96.1949, 0.3167, 0.3448

# Triad

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



96.1949, 0.3254, 0.3455



96.1949, 0.2946, 0.3229



96.1949, 0.3183, 0.3187

# Complementary

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



96.1949, 0.3254, 0.3455



85.8605, 0.2999, 0.3119

# Split Complementary

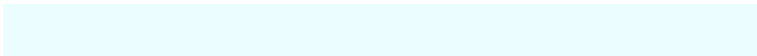
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1949, 0.3085, 0.3138



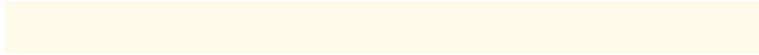
96.1949, 0.3254, 0.3455



96.1949, 0.2950, 0.3161

# Square

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



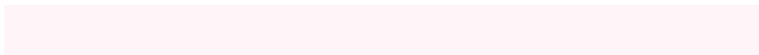
96.1949, 0.3254, 0.3455



96.1949, 0.2990, 0.3316



96.1949, 0.3000, 0.3128



96.1949, 0.3266, 0.3262



# Rectangle

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



96.1949, 0.3254, 0.3455



96.1949, 0.3102, 0.3418



96.1949, 0.3000, 0.3128



96.1949, 0.3150, 0.3167

# Sweetspot

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



96.1912, 0.3254, 0.3455



99.0570, 0.3157, 0.3329



86.2871, 0.3243, 0.3249



21.2122, 0.3156, 0.3327



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.



96.1912, 0.3254, 0.3455



95.4019, 0.3282, 0.3491



97.5445, 0.3210, 0.3495



20.4672, 0.3274, 0.3481



34.4792, 0.4577, 0.4748



3.5015, 0.4525, 0.4789



# Inverse Universe

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



85.8605, 0.2999, 0.3119



83.0125, 0.2971, 0.3081



84.6396, 0.3040, 0.3081



17.9381, 0.2979, 0.3092



5.0628, 0.1550, 0.0779

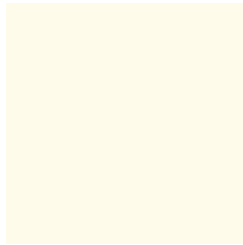


0.6341, 0.1602, 0.0966



# Previews

## White Background



This preview shows how the Yxy color 96.1949, 0.3254, 0.3455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

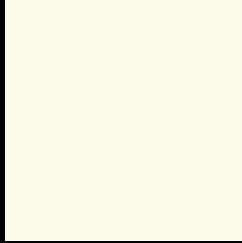
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.1949, 0.3254, 0.3455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

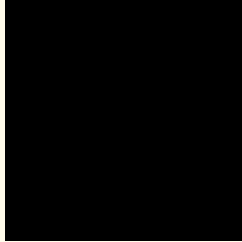
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.1949, 0.3254, 0.3455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.1949, 0.3254, 0.3455.

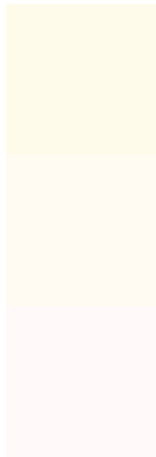


This preview shows how white text looks on a background with the Yxy color 96.1949, 0.3254, 0.3455.

# 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

96.1949, 0.3254, 0.3455

### Protanopia

96.0420, 0.3206, 0.3367

### Deuteranopia

96.4708, 0.3165, 0.3300

## Tritanopia

95.8540, 0.3117, 0.3233

# Trichromacy



**Original Color**

96.1949, 0.3254, 0.3455

**Protanomaly**

95.8632, 0.3224, 0.3397

**Deuteranomaly**

96.1629, 0.3194, 0.3348

**Tritanomaly**

96.1574, 0.3170, 0.3319

# Monochromacy



**Original Color**

96.1949, 0.3254, 0.3455

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.5983, 0.3175, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  96.1949, 0.3254, 0.3455 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 96.1949, 0.3254, 0.3455 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, 234) }
```

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

```
.border{ border-color:rgb(255, 251, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.1949, 0.3254, 0.3455 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
251, 234) }
```

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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