

# Converting Colors

$Y_{xy}(100.0000, 0.3379, 0.3543)$

Have a look what the booklet for  
Yxy(100.0000, 0.3379, 0.3543)  
contains.

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# **Color**

**Yxy(97.6897, 0.3293, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEE3
RGB	255, 254, 227
RGB Percent	100%, 100%, 89%
CMY	0.0000, 0.0040, 0.1097
CMYK	0.00, 0.00, 0.11, 0.00
HSL	58°, 100%, 95%
HSV	58°, 11%, 100%
XYZ	90.5665, 97.6897, 86.7711
YIQ	251.2210, 9.2630, -8.1850

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 255, 227
Decimal	16776931
CIE Lab	99.10, -4.10, 13.02
CIE LCh	99, 13.654, 107.487
Yxy	97.6897, 0.3293, 0.3552
Android (android.graphics.Color)	4294967011 (0xFFFFFEE3)
YUV	251.2210, -11.9410, 3.3142
Hunter-Lab	98.8381, -9.4051, 17.1353

# Details

The Yxy color 97.6897, 0.3293, 0.3552 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 79.0622, 0.2954, 0.3014, and the grayscale version is 96.7520, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.9168, 0.3323, 0.3599 is the 20% darker color. If you saturate the color by 10%, you get 95.7908, 0.3448, 0.3797, and if you desaturate by 10%, it is 99.7842, 0.3141, 0.3313.

# Distribution



- Red (100%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.6897, 0.3293, 0.3552 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 97.6897, 0.3293, 0.3552 by changing the saturation by 10% instead.




 97.6897, 0.3293,  
0.3552

 97.6897, 0.3293,  
0.3552


552.7404, 0.3221,  
0.3436

 74.3756, 0.3309,  
0.3577


157.9754, 0.3269,  
0.3513

 55.1015, 0.3327,  
0.3608


195.7157, 0.3259,  
0.3497

 39.4830, 0.3350,  
0.3646


239.0336, 0.3251,  
0.3484

 27.1357, 0.3379,  
0.3694

288.3135, 0.3243,  
0.3472

 17.6752, 0.3417,  
0.3757

343.9397, 0.3237,  
0.3461

 10.7170, 0.3467,  
0.3844

406.2967, 0.3231,

 5.8769, 0.3538,

0.3452

0.3969

475.7688, 0.3225,  
0.3444

■ 2.7704, 0.3644,  
0.4164

■ 1.0131, 0.4169,  
0.4925

■ 97.6897, 0.3293,  
0.3552

■ 97.6897, 0.3293,  
0.3552

■ 95.7908, 0.3448,  
0.3797

99.7842, 0.3141,  
0.3313

■ 94.1021, 0.3604,  
0.4041

100.0000, 0.3127,  
0.3290

■ 92.6058, 0.3755,  
0.4275

■ 91.2912, 0.3895,  
0.4489

■ 90.1468, 0.4018,  
0.4673

■ 89.1593, 0.4117,  
0.4819

■ 88.3139, 0.4191,  
0.4921

■ 87.5925, 0.4237,  
0.4979

■ 87.0222, 0.4259,  
0.5000

# Harmonies

## Analogous

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



97.6897, 0.3393, 0.3507



97.6897, 0.3293, 0.3552



97.6897, 0.3150, 0.3524

# Triad

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



97.6897, 0.3293, 0.3552



97.6897, 0.2842, 0.3163



97.6897, 0.3249, 0.3157

# Complementary

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



97.6897, 0.3293, 0.3552



79.0622, 0.2954, 0.3014

# 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.



97.6897, 0.3099, 0.3070



97.6897, 0.3293, 0.3552



97.6897, 0.2866, 0.3070

# Square

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



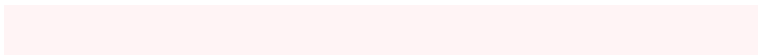
97.6897, 0.3293, 0.3552



97.6897, 0.2891, 0.3295



97.6897, 0.2960, 0.3038



97.6897, 0.3368, 0.3279



# Rectangle

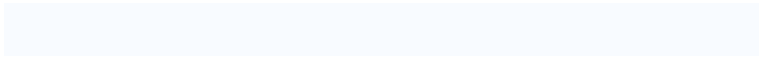
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.6897, 0.3293, 0.3552



97.6897, 0.3050, 0.3466



97.6897, 0.2960, 0.3038



97.6897, 0.3201, 0.3123

# Sweetspot

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



97.6818, 0.3293, 0.3552



99.3402, 0.3172, 0.3361



81.8358, 0.3314, 0.3277



21.2259, 0.3184, 0.3380



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

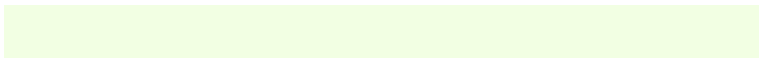
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.6818, 0.3293, 0.3552



97.2814, 0.3324, 0.3602



96.0173, 0.3211, 0.3568



20.9711, 0.3270, 0.3516



45.5211, 0.4258, 0.5001



4.4661, 0.4250, 0.5008



# Inverse Universe

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



79.0622, 0.2954, 0.3014



75.5290, 0.2919, 0.2958



80.6285, 0.3036, 0.3010



17.4832, 0.2978, 0.3053



3.9231, 0.1506, 0.0622

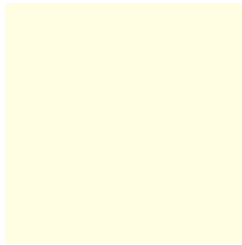


0.4175, 0.1520, 0.0673



# Previews

## White Background



This preview shows how the Yxy color 97.6897, 0.3293, 0.3552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

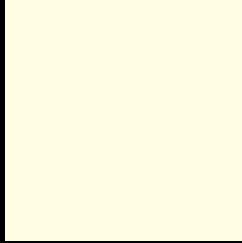
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.6897, 0.3293, 0.3552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

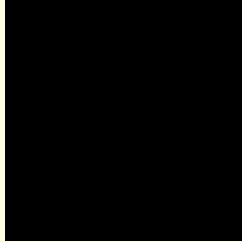
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.6897, 0.3293, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.6897, 0.3293, 0.3552.

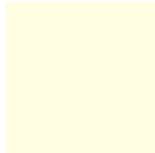


This preview shows how white text looks on a background with the Yxy color 97.6897, 0.3293, 0.3552.

# 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

97.6897, 0.3293, 0.3552



### Protanopia

97.5346, 0.3181, 0.3348

### Deuteranopia

97.8458, 0.3152, 0.3300

## Tritanopia

97.9116, 0.3122, 0.3261

# Trichromacy



**Original Color**

97.6897, 0.3293, 0.3552

**Protanomaly**

97.7426, 0.3222, 0.3425

**Deuteranomaly**

97.9214, 0.3204, 0.3396

**Tritanomaly**

97.9140, 0.3180, 0.3367

# Monochromacy



**Original Color**

97.6897, 0.3293, 0.3552



**Achromatopsia**

96.4686, 0.3127, 0.3290



**Achromatomaly**

96.7271, 0.3186, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  97.6897, 0.3293, 0.3552 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  $rgb(255, 254, 227)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 227)  
}
```

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, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 97.6897, 0.3293, 0.3552 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, 254, 227) }
```

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

```
.border{ border-color:rgb(255, 254, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.6897, 0.3293, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 227) }
```

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

```
.background{ background-color: rgb(255,  
254, 227) }
```

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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