

# Converting Colors

$Y_{xy}(135.8917, 0.3309, 0.4055)$

Have a look what the booklet for  
Yxy(135.8917, 0.3309, 0.4055)  
contains.

<b>Yxy(97.9473, 0.3333, 0.3631)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(97.9473, 0.3333, 0.3631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFDC
RGB	255, 255, 220
RGB Percent	100%, 100%, 86%
CMY	0.0002, 0.0000, 0.1371
CMYK	0.00, 0.00, 0.14, 0.00
HSL	60°, 100%, 93%
HSV	60°, 14%, 100%
XYZ	89.9087, 97.9473, 81.8970
YIQ	251.0100, 11.2350, -10.8850

# Conversions

## Conversions Part 2

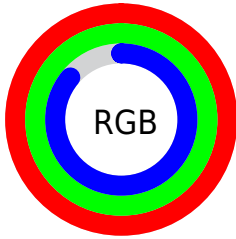
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 255, 220
Decimal	16777180
CIE Lab	99.20, -5.73, 16.74
CIE LCh	99, 17.691, 108.908
Yxy	97.9473, 0.3333, 0.3631
Android (android.graphics.Color)	4294967260 (0xFFFFFFFFDC)
YUV	251.0100, -15.2879, 3.4992
Hunter-Lab	98.9683, -11.0347, 20.2149

# Details

The Yxy color 97.9473, 0.3333, 0.3631 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 73.6499, 0.2907, 0.2925, and the grayscale version is 96.5908, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1105, 0.3375, 0.3699 is the 20% darker color. If you saturate the color by 10%, you get 96.6841, 0.3486, 0.3885, and if you desaturate by 10%, it is 99.4027, 0.3182, 0.3381.

# Distribution



- Red (100%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.9473, 0.3333, 0.3631 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 97.9473, 0.3333, 0.3631 by changing the saturation by 10% instead.



 97.9473, 0.3333,  
0.3631

 97.9473, 0.3333,  
0.3631

553.5580, 0.3244,  
0.3480

 74.5904, 0.3352,  
0.3664

158.3302, 0.3303,  
0.3580

 55.2774, 0.3375,  
0.3704


196.1250, 0.3291,  
0.3560

 39.6239, 0.3403,  
0.3754


239.5013, 0.3281,  
0.3542

 27.2454, 0.3438,  
0.3816

288.8434, 0.3272,  
0.3527

 17.7576, 0.3484,  
0.3899

344.5357, 0.3263,  
0.3513

 10.7761, 0.3544,  
0.4011

406.9627, 0.3256,

 5.9165, 0.3627,

0.3501

0.4173

476.5086, 0.3250,  
0.3490

■ 2.7944, 0.3746,  
0.4424

■ 1.0253, 0.4468,  
0.5532

■ 97.9473, 0.3333,  
0.3631

■ 97.9473, 0.3333,  
0.3631

■ 96.6841, 0.3486,  
0.3885


■ 99.4027, 0.3182,  
0.3381

■ 95.6246, 0.3637,  
0.4134

100.0000, 0.3127,  
0.3290


■ 94.7519, 0.3779,  
0.4369


■ 94.0551, 0.3906,  
0.4581

 93.5221, 0.4013,  
0.4758

 93.1394, 0.4096,  
0.4896

 92.8914, 0.4152,  
0.4989

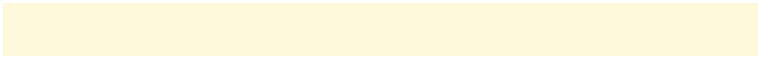
 92.7588, 0.4182,  
0.5039

 92.7174, 0.4191,  
0.5054

# Harmonies

## Analogous

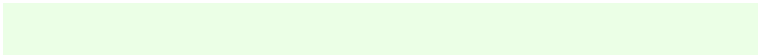
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.9473, 0.3468, 0.3574



97.9473, 0.3333, 0.3631



97.9473, 0.3146, 0.3591

# Triad

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



97.9473, 0.3333, 0.3631



97.9473, 0.2759, 0.3117



97.9473, 0.3293, 0.3126

# Complementary

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



97.9473, 0.3333, 0.3631



73.6499, 0.2907, 0.2925

# 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.



97.9473, 0.3099, 0.3012



97.9473, 0.3333, 0.3631



97.9473, 0.2795, 0.3002

# Square

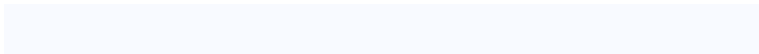
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



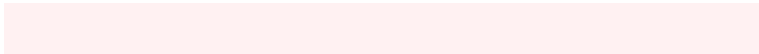
97.9473, 0.3333, 0.3631



97.9473, 0.2818, 0.3286



97.9473, 0.2918, 0.2966



97.9473, 0.3445, 0.3282

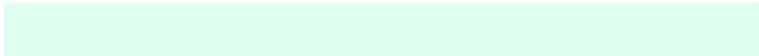


# Rectangle

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



97.9473, 0.3333, 0.3631



97.9473, 0.3017, 0.3513



97.9473, 0.2918, 0.2966



97.9473, 0.3231, 0.3081

# Sweetspot

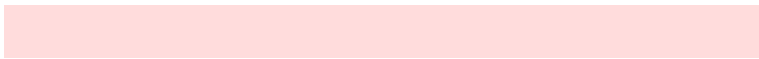
The Sweet Spot groups the original color and five complimentary colors.



97.9403, 0.3333, 0.3631



99.3579, 0.3186, 0.3388



77.6314, 0.3381, 0.3291



21.2416, 0.3197, 0.3406



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.



97.9403, 0.3333, 0.3631



97.6352, 0.3368, 0.3689



94.7823, 0.3220, 0.3643



21.0895, 0.3269, 0.3525



48.4474, 0.4191, 0.5054



4.7175, 0.4191, 0.5054



# Inverse Universe

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



73.6499, 0.2907, 0.2925



69.7487, 0.2866, 0.2858



76.5158, 0.3023, 0.2937



17.3789, 0.2979, 0.3044



3.7742, 0.1501, 0.0600



0.3679, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 97.9473, 0.3333, 0.3631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

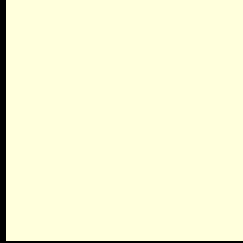
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.9473, 0.3333, 0.3631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

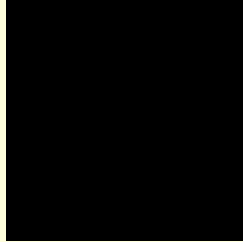
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.9473, 0.3333, 0.3631**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.9473, 0.3333, 0.3631.



This preview shows how white text looks on a background with the Yxy color 97.9473, 0.3333, 0.3631.

# 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

97.9473, 0.3333, 0.3631



### Protanopia

98.2260, 0.3175, 0.3348

### Deuteranopia

97.8458, 0.3152, 0.3300

## **Tritanopia**

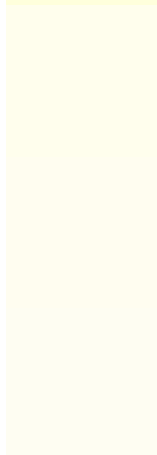
97.9116, 0.3122, 0.3261

# Trichromacy



## Original Color

97.9473, 0.3333, 0.3631



## Protanomaly

98.2580, 0.3233, 0.3454

## Deuteranomaly

97.8018, 0.3216, 0.3415

## Tritanomaly

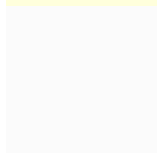
97.7322, 0.3198, 0.3396

# Monochromacy



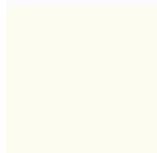
## Original Color

97.9473, 0.3333, 0.3631



## Achromatopsia

96.4686, 0.3127, 0.3290



## Achromatomaly

96.6075, 0.3198, 0.3407

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.9473, 0.3333, 0.3631 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, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 220)  
}
```

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, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 97.9473, 0.3333, 0.3631 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, 255, 220) }
```

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

```
.border{ border-color:rgb(255, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.9473, 0.3333, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 220) }
```

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

```
.background{ background-color: rgb(255,  
255, 220) }
```

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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