

# Converting Colors

$Y_{xy}(100.0000, 0.3371, 0.3535)$

Have a look what the booklet for  
Yxy(100.0000, 0.3371, 0.3535)  
contains.

<b>Yxy(97.7451, 0.3287, 0.3543)</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(97.7451, 0.3287, 0.3543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEE4
RGB	255, 254, 228
RGB Percent	100%, 100%, 89%
CMY	0.0000, 0.0039, 0.1060
CMYK	0.00, 0.00, 0.11, 0.00
HSL	58°, 100%, 95%
HSV	58°, 11%, 100%
XYZ	90.6825, 97.7451, 87.4547
YIQ	251.3350, 8.9420, -7.8740

# Conversions

## Conversions Part 2

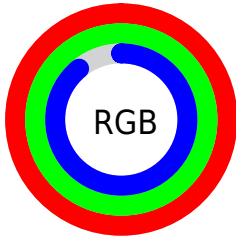
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 255, 228
Decimal	16776932
CIE <sub>Lab</sub>	99.12, -3.99, 12.57
CIE <sub>LCh</sub>	99, 13.191, 107.591
Yxy	97.7451, 0.3287, 0.3543
Android (android.graphics.Color)	4294967012 (0xFFFFFEE4)
YUV	251.3350, -11.5042, 3.2142
Hunter-Lab	98.8661, -9.2910, 16.7597

# Details

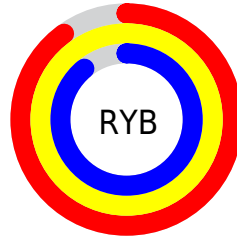
The Yxy color 97.7451, 0.3287, 0.3543 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 79.7187, 0.2960, 0.3024, and the grayscale version is 96.8536, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.9554, 0.3315, 0.3587 is the 20% darker color. If you saturate the color by 10%, you get 95.8425, 0.3443, 0.3788, and if you desaturate by 10%, it is 99.8651, 0.3136, 0.3304.

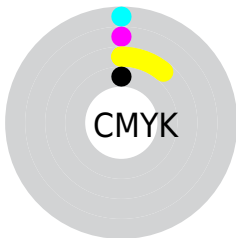
# Distribution



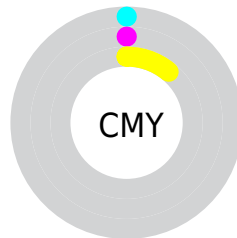
- Red (100%)
- Green (100%)
- Blue (89%)



- Red (90%)
- 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 97.7451, 0.3287, 0.3543 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 97.7451, 0.3287, 0.3543 by changing the saturation by 10% instead.



 97.7451, 0.3287,  
0.3543

 97.7451, 0.3287,  
0.3543


552.9163, 0.3217,  
0.3431

 74.4218, 0.3302,  
0.3567


158.0517, 0.3264,  
0.3505

 55.1394, 0.3320,  
0.3597


195.8038, 0.3254,  
0.3490

 39.5133, 0.3342,  
0.3634

239.1342, 0.3246,  
0.3477

 27.1593, 0.3370,  
0.3680

288.4275, 0.3239,  
0.3466

 17.6929, 0.3406,  
0.3741

344.0679, 0.3233,  
0.3456

 10.7297, 0.3455,  
0.3825

406.4400, 0.3227,

 5.8854, 0.3524,

0.3447

0.3945

475.9279, 0.3222,  
0.3438

■ 2.7755, 0.3627,  
0.4134

■ 1.0157, 0.4110,  
0.4840

■ 97.7451, 0.3287,  
0.3543

■ 97.7451, 0.3287,  
0.3543

■ 95.8425, 0.3443,  
0.3788

99.8651, 0.3136,  
0.3304

■ 94.1397, 0.3599,  
0.4032

100.0000, 0.3127,  
0.3290

■ 92.6298, 0.3750,  
0.4266

■ 91.3021, 0.3891,  
0.4481

■ 90.1451, 0.4014,  
0.4667

■ 89.1457, 0.4115,  
0.4814

■ 88.2889, 0.4189,  
0.4918

■ 87.5569, 0.4236,  
0.4977

■ 86.9562, 0.4260,  
0.5000

# Harmonies

## Analogous

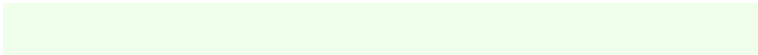
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.7451, 0.3384, 0.3500



97.7451, 0.3287, 0.3543



97.7451, 0.3149, 0.3516

# Triad

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



97.7451, 0.3287, 0.3543



97.7451, 0.2851, 0.3167



97.7451, 0.3246, 0.3162

# Complementary

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



97.7451, 0.3287, 0.3543



79.7187, 0.2960, 0.3024

# 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.



97.7451, 0.3101, 0.3077



97.7451, 0.3287, 0.3543



97.7451, 0.2875, 0.3078

# Square

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



97.7451, 0.3287, 0.3543



97.7451, 0.2899, 0.3294



97.7451, 0.2966, 0.3046



97.7451, 0.3360, 0.3280

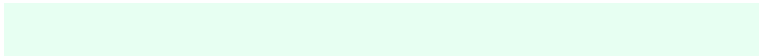


# Rectangle

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



97.7451, 0.3287, 0.3543



97.7451, 0.3052, 0.3460



97.7451, 0.2966, 0.3046



97.7451, 0.3199, 0.3129

# Sweetspot

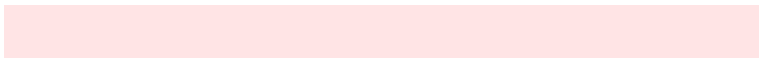
The Sweet Spot groups the original color and five complimentary colors.



97.7479, 0.3287, 0.3543



99.3381, 0.3172, 0.3361



82.3987, 0.3307, 0.3277



21.2253, 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.



97.7479, 0.3287, 0.3543



97.2724, 0.3324, 0.3601



96.1439, 0.3208, 0.3559



20.9697, 0.3270, 0.3516



45.4872, 0.4259, 0.5001



4.4632, 0.4251, 0.5007



# Inverse Universe

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



79.7187, 0.2960, 0.3024



75.5366, 0.2919, 0.2958



81.2318, 0.3040, 0.3020



17.4845, 0.2978, 0.3053



3.9249, 0.1506, 0.0622

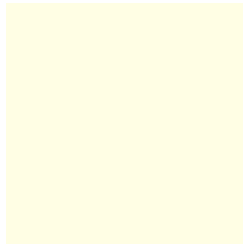


0.4181, 0.1521, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 97.7451, 0.3287, 0.3543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

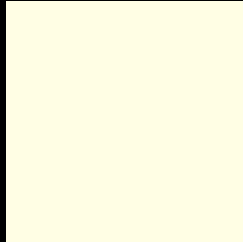
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.7451, 0.3287, 0.3543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

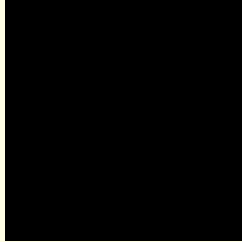
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.7451, 0.3287, 0.3543**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.7451, 0.3287, 0.3543.

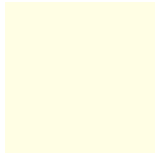


This preview shows how white text looks on a background with the Yxy color 97.7451, 0.3287, 0.3543.

# 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

97.7451, 0.3287, 0.3543



### Protanopia

97.5962, 0.3175, 0.3338

### Deuteranopia

97.8458, 0.3152, 0.3300

## Tritanopia

97.9116, 0.3122, 0.3261

# Trichromacy



**Original Color**

97.7451, 0.3287, 0.3543

**Protanomaly**

97.8018, 0.3216, 0.3415

**Deuteranomaly**

97.9816, 0.3198, 0.3386

**Tritanomaly**

97.9140, 0.3180, 0.3367

# Monochromacy



**Original Color**

97.7451, 0.3287, 0.3543



**Achromatopsia**

96.4686, 0.3127, 0.3290



**Achromatomaly**

96.7873, 0.3180, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  97.7451, 0.3287, 0.3543 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 97.7451, 0.3287, 0.3543 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, 228) }
```

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

```
.border{ border-color:rgb(255, 254, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.7451, 0.3287, 0.3543 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
254, 228) }
```

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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