

# Converting Colors

$Y_{xy}(100.0000, 0.3375, 0.3510)$

Have a look what the booklet for  
Yxy(100.0000, 0.3375, 0.3510)  
contains.

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# Color

**Yxy(97.2237, 0.3276, 0.3513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDE6
RGB	255, 253, 230
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0079, 0.0980
CMYK	0.00, 0.01, 0.10, 0.00
HSL	55°, 100%, 95%
HSV	55°, 10%, 100%
XYZ	90.6646, 97.2237, 88.8657
YIQ	250.9760, 8.5750, -6.7290

# Conversions

## Conversions Part 2

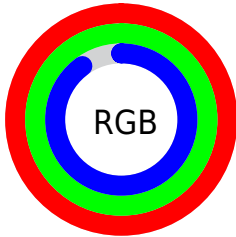
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 255, 230
Decimal	16776678
CIE <sub>Lab</sub>	98.92, -3.14, 11.23
CIE <sub>LCh</sub>	99, 11.656, 105.603
Yxy	97.2237, 0.3276, 0.3513
Android (android.graphics.Color)	4294966758 (0xFFFFFDE6)
YUV	250.9760, -10.3412, 3.5290
Hunter-Lab	98.6021, -8.4229, 15.5860

# Details

The Yxy color 97.2237, 0.3276, 0.3513 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.7790, 0.2974, 0.3057, and the grayscale version is 96.5262, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5416, 0.3309, 0.3562 is the 20% darker color. If you saturate the color by 10%, you get 94.5989, 0.3434, 0.3748, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

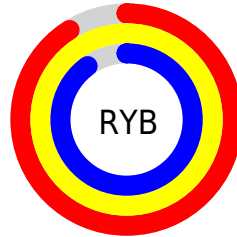
# Distribution



Red (100%)

Green (99%)

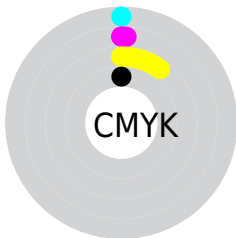
Blue (90%)



Red (91%)

Yellow (100%)

Blue (90%)

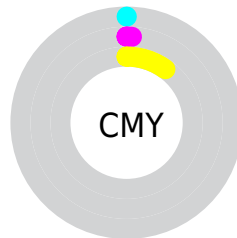


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.2237, 0.3276, 0.3513 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 97.2237, 0.3276, 0.3513 by changing the saturation by 10% instead.




 97.2237, 0.3276,  
0.3513

 97.2237, 0.3276,  
0.3513


551.2597, 0.3211,  
0.3415

 73.9871, 0.3290,  
0.3534

157.3332, 0.3254,  
0.3480

 54.7835, 0.3307,  
0.3561


194.9749, 0.3245,  
0.3466

 39.2284, 0.3328,  
0.3593


238.1871, 0.3238,  
0.3455

 26.9375, 0.3354,  
0.3634

287.3542, 0.3231,  
0.3445

 17.5263, 0.3388,  
0.3688

342.8607, 0.3225,  
0.3436

 10.6104, 0.3435,  
0.3761

405.0908, 0.3220,

 5.8055, 0.3500,

0.3428

0.3867

474.4290, 0.3215,  
0.3421

■ 2.7272, 0.3600,  
0.4035

■ 0.9910, 0.4022,  
0.4625

■ 97.2237, 0.3276,  
0.3513

■ 97.2237, 0.3276,  
0.3513

■ 94.5989, 0.3434,  
0.3748

100.0000, 0.3127,  
0.3290

■ 92.1942, 0.3595,  
0.3983

■ 89.9942, 0.3754,  
0.4210

■ 87.9883, 0.3905,  
0.4421

■ 86.1649, 0.4041,  
0.4604

■ 84.5111, 0.4156,  
0.4751

■ 83.0120, 0.4246,  
0.4854

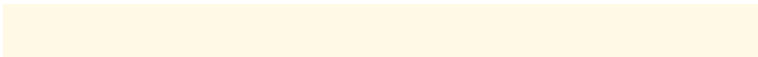
■ 81.6501, 0.4307,  
0.4913

■ 80.3973, 0.4344,  
0.4932

# Harmonies

## Analogous

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



97.2237, 0.3358, 0.3472



97.2237, 0.3276, 0.3513



97.2237, 0.3155, 0.3493

# Triad

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



97.2237, 0.3276, 0.3513



97.2237, 0.2883, 0.3188



97.2237, 0.3224, 0.3170

# Complementary

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



97.2237, 0.3276, 0.3513



81.7790, 0.2974, 0.3057

# 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.



97.2237, 0.3095, 0.3098



97.2237, 0.3276, 0.3513



97.2237, 0.2901, 0.3106

# Square

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



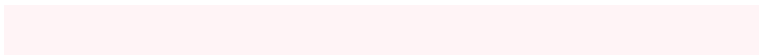
97.2237, 0.3276, 0.3513



97.2237, 0.2930, 0.3302



97.2237, 0.2977, 0.3074



97.2237, 0.3328, 0.3274



# Rectangle

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



97.2237, 0.3276, 0.3513



97.2237, 0.3069, 0.3446



97.2237, 0.2977, 0.3074



97.2237, 0.3182, 0.3142

# Sweetspot

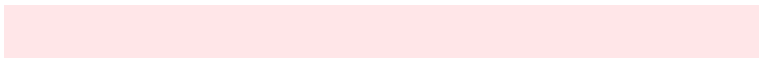
The Sweet Spot groups the original color and five complimentary colors.



97.2179, 0.3276, 0.3513



99.1246, 0.3172, 0.3357



83.6984, 0.3287, 0.3270



21.1674, 0.3184, 0.3375



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.



97.2179, 0.3276, 0.3513



96.6215, 0.3310, 0.3564



96.5738, 0.3207, 0.3537



20.8256, 0.3271, 0.3506



42.1009, 0.4342, 0.4934



4.1703, 0.4323, 0.4949



# Inverse Universe

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



81.7790, 0.2974, 0.3057



77.9950, 0.2937, 0.3000



82.4269, 0.3041, 0.3041



17.6126, 0.2978, 0.3064



4.1256, 0.1514, 0.0650

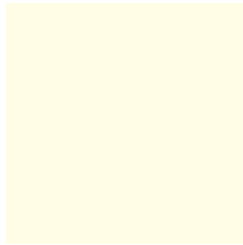


0.4788, 0.1544, 0.0759



# Previews

## White Background



This preview shows how the Yxy color 97.2237, 0.3276, 0.3513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

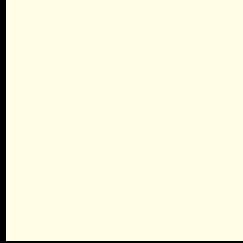
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.2237, 0.3276, 0.3513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

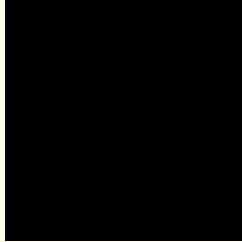
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.2237, 0.3276, 0.3513**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.2237, 0.3276, 0.3513.



This preview shows how white text looks on a background with the Yxy color 97.2237, 0.3276, 0.3513.

# 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

97.2237, 0.3276, 0.3513



### Protanopia

97.4734, 0.3187, 0.3357

### Deuteranopia

97.1565, 0.3158, 0.3300

## Tritanopia

97.2852, 0.3123, 0.3252

# Trichromacy



**Original Color**

97.2237, 0.3276, 0.3513

**Protanomaly**

97.1721, 0.3217, 0.3406

**Deuteranomaly**

97.3519, 0.3199, 0.3377

**Tritanomaly**

97.3455, 0.3175, 0.3348

# Monochromacy



**Original Color**

97.2237, 0.3276, 0.3513

**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  $Yxy$  97.2237, 0.3276, 0.3513 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  $rgb(255, 253, 230)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 230)  
}
```

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, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 97.2237, 0.3276, 0.3513 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, 253, 230) }
```

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

```
.border{ border-color:rgb(255, 253, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.2237, 0.3276, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 230) }
```

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

```
.background{ background-color: rgb(255,  
253, 230) }
```

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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