

# Converting Colors

$Y_{xy}(170.7968, 0.3197, 0.4339)$

Have a look what the booklet for  
Yxy(170.7968, 0.3197, 0.4339)  
contains.

**Yxy(97.4110, 0.3284, 0.3594) ..... 3**

***Conversions* ..... 4**

***Details* ..... 6**

***Harmonies* ..... 12**

***Previews* ..... 24**

***Color Blindness Simulation* ..... 27**

***CSS Examples* ..... 30**

# Color

**Yxy(97.4110, 0.3284, 0.3594)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FBFFEE
RGB	251, 255, 224
RGB Percent	98%, 100%, 88%
CMY	0.0155, 0.0000, 0.1216
CMYK	0.02, 0.00, 0.12, 0.00
HSL	68°, 100%, 94%
HSV	68°, 12%, 100%
XYZ	89.0088, 97.4110, 84.6180
YIQ	250.2700, 7.5670, -10.4890

# Conversions

## Conversions Part 2

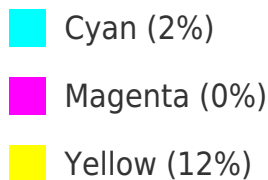
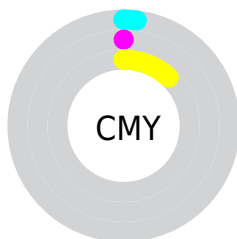
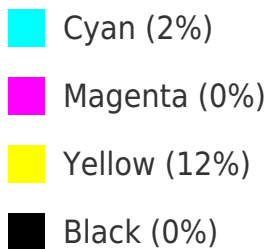
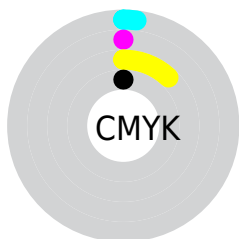
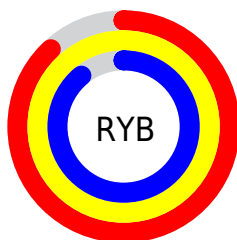
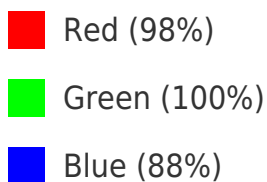
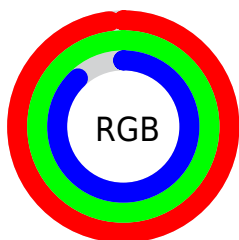
Format	Color
<a href="#">RYB</a>	<a href="#">224, 255, 228</a>
Decimal	<a href="#">16515040</a>
CIELab	<a href="#">98.99, -6.47, 14.38</a>
CIELCh	<a href="#">99, 15.768, 114.216</a>
Yxy	<a href="#">97.4110, 0.3284, 0.3594</a>
Android (android.graphics.Color)	<a href="#">4294705120</a> (0xFFFFBFFE0)
YUV	<a href="#">250.2700, -12.9511, 0.6402</a>
Hunter-Lab	<a href="#">98.6970, -11.7415, 18.2555</a>

# Details

The Yxy color 97.4110, 0.3284, 0.3594 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 77.0036, 0.2959, 0.2972, and the grayscale version is 95.9445, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7221, 0.3311, 0.3653 is the 20% darker color. If you saturate the color by 10%, you get 95.5365, 0.3415, 0.3854, and if you desaturate by 10%, it is 99.5119, 0.3155, 0.3343.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.4110, 0.3284, 0.3594 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 97.4110, 0.3284, 0.3594 by changing the saturation by 10% instead.




 97.4110, 0.3284,  
0.3594

 97.4110, 0.3284,  
0.3594


551.8551, 0.3216,  
0.3459

 74.1433, 0.3299,  
0.3624


157.5913, 0.3261,  
0.3548

 54.9113, 0.3316,  
0.3660


195.2727, 0.3252,  
0.3530

 39.3307, 0.3337,  
0.3704


238.5274, 0.3244,  
0.3514

 27.0171, 0.3364,  
0.3761

287.7399, 0.3237,  
0.3501

 17.5861, 0.3399,  
0.3835

343.2945, 0.3231,  
0.3488

 10.6532, 0.3445,  
0.3938

405.5757, 0.3225,


 5.8342, 0.3508,


0.3478


0.4086


474.9677, 0.3221,  
0.3468


 2.7445, 0.3601,  
0.4321


 0.9998, 0.4223,  
0.5358

 97.4110, 0.3284,  
0.3594


 97.4110, 0.3284,  
0.3594


 95.5365, 0.3415,  
0.3854

 99.5119, 0.3155,  
0.3343


 93.8662, 0.3543,  
0.4116


99.9961, 0.3127,  
0.3290


 92.3946, 0.3664,  
0.4371


 91.1107, 0.3771,  
0.4608

 90.0028, 0.3858,  
0.4817

 89.0574, 0.3923,  
0.4988

 88.2593, 0.3960,  
0.5114

 87.5899, 0.3972,  
0.5195

 87.1335, 0.3967,  
0.5233

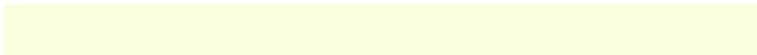
# Harmonies

## Analogous

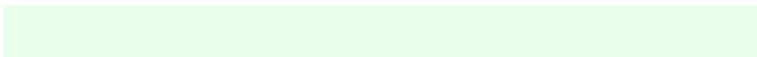
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.4110, 0.3415, 0.3559



97.4110, 0.3284, 0.3594



97.4110, 0.3113, 0.3543

# Triad

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



97.4110, 0.3284, 0.3594



97.4110, 0.2797, 0.3113



97.4110, 0.3304, 0.3166

# Complementary

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



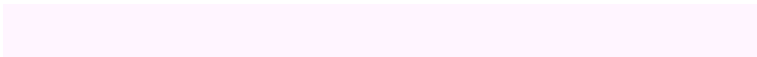
97.4110, 0.3284, 0.3594



77.0036, 0.2959, 0.2972

# Split Complementary

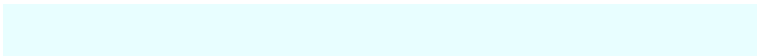
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.4110, 0.3134, 0.3054



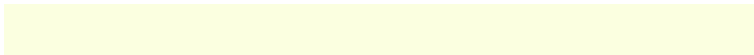
97.4110, 0.3284, 0.3594



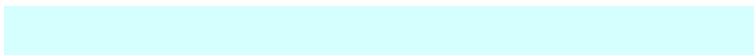
97.4110, 0.2844, 0.3021

# Square

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



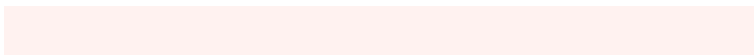
97.4110, 0.3284, 0.3594



97.4110, 0.2835, 0.3258



97.4110, 0.2966, 0.3002

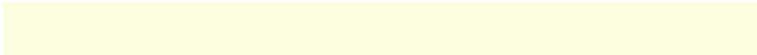


97.4110, 0.3428, 0.3310

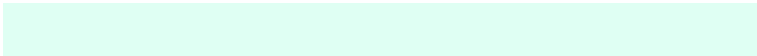


# Rectangle

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



97.4110, 0.3284, 0.3594



97.4110, 0.3001, 0.3466



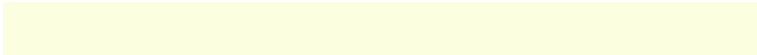
97.4110, 0.2966, 0.3002



97.4110, 0.3250, 0.3124

# Sweetspot

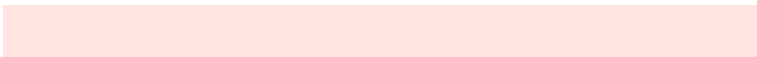
The Sweet Spot groups the original color and five complimentary colors.



97.4153, 0.3284, 0.3594



99.1151, 0.3178, 0.3388



81.9069, 0.3344, 0.3327



21.1800, 0.3188, 0.3407



0.0000, 0.0000, 0.0000

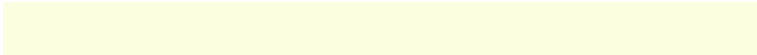


21.4041, 0.3127, 0.3290

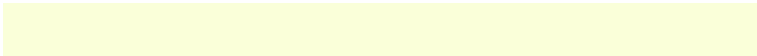


# Same Dimension

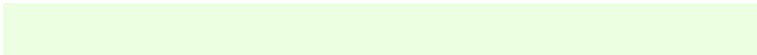
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.4153, 0.3284, 0.3594



96.8655, 0.3321, 0.3667



94.7076, 0.3187, 0.3603



20.9666, 0.3249, 0.3526



45.5776, 0.3970, 0.5229



4.4691, 0.3997, 0.5208



# Inverse Universe

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



77.0036, 0.2959, 0.2972



72.1859, 0.2916, 0.2891



79.5950, 0.3060, 0.2982



17.4885, 0.2998, 0.3045



3.9709, 0.1547, 0.0626



0.4197, 0.1624, 0.0668



# Previews

## White Background



This preview shows how the Yxy color 97.4110, 0.3284, 0.3594 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

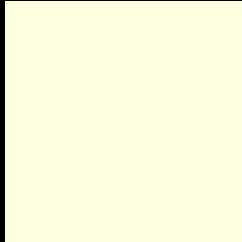
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.4110, 0.3284, 0.3594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

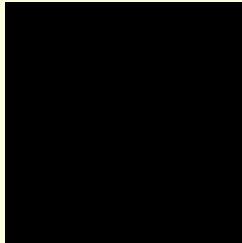
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.4110, 0.3284, 0.3594**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.4110, 0.3284, 0.3594.



This preview shows how white text looks on a background with the Yxy color 97.4110, 0.3284, 0.3594.

# 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

97.4110, 0.3284, 0.3594



### Protanopia

97.4734, 0.3187, 0.3357

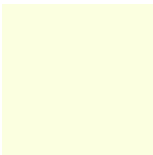
### Deuteranopia

97.1565, 0.3158, 0.3300

## **Tritanopia**

97.0970, 0.3116, 0.3252

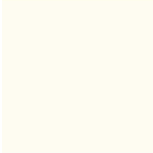
# Trichromacy



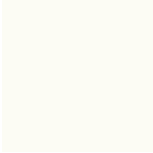
**Original Color**  
97.4110, 0.3284, 0.3594



**Protanomaly**  
97.4358, 0.3227, 0.3445

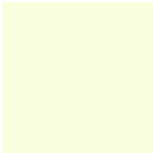


**Deuteranomaly**  
97.0425, 0.3204, 0.3396

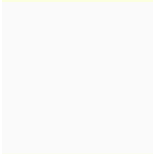


**Tritanomaly**  
96.8479, 0.3174, 0.3367

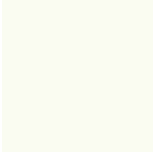
# Monochromacy



**Original Color**  
97.4110, 0.3284, 0.3594



**Achromatopsia**  
95.5973, 0.3127, 0.3290



**Achromatomaly**  
96.2957, 0.3179, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.4110, 0.3284, 0.3594 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(251, 255, 224) looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 224)  
}
```

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(251, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 97.4110, 0.3284, 0.3594 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(251, 255, 224) }
```

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

```
.border{ border-color:rgb(251, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(251, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.4110, 0.3284, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 224) }
```

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

```
.background{ background-color: rgb(251,  
255, 224) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor