

# Converting Colors

$Y_{xy}(120.8029, 0.3285, 0.3590)$

Have a look what the booklet for  
Yxy(120.8029, 0.3285, 0.3590)  
contains.

<b>Yxy(99.4954, 0.3173, 0.3367)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(99.4954, 0.3173, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFFF7
RGB	255, 255, 247
RGB Percent	100%, 100%, 97%
CMY	0.0003, 0.0000, 0.0314
CMYK	0.00, 0.00, 0.03, 0.00
HSL	61°, 100%, 98%
HSV	61°, 3%, 100%
XYZ	93.7627, 99.4954, 102.2436
YIQ	254.0880, 2.5680, -2.4880

# Conversions

## Conversions Part 2

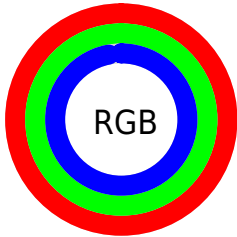
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 247
Decimal	16777207
CIE <sub>Lab</sub>	99.80, -1.42, 3.81
CIE <sub>LCh</sub>	100, 4.070, 110.421
Yxy	99.4954, 0.3173, 0.3367
Android (android.graphics.Color)	4294967287 (0xFFFFFFFF7)
YUV	254.0880, -3.4944, 0.7998
Hunter-Lab	99.7474, -6.7677, 9.0494

# Details

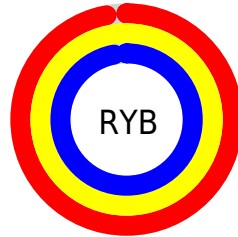
The Yxy color 99.4954, 0.3173, 0.3367 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.5180, 0.3081, 0.3212, and the grayscale version is 99.1925, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 56.1555, 0.3179, 0.3375 is the 20% darker color. If you saturate the color by 10%, you get 97.9591, 0.3322, 0.3617, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

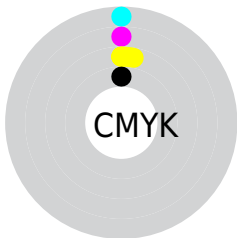
# Distribution



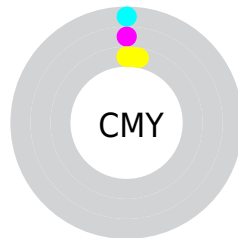
- Red (100%)
- Green (100%)
- Blue (97%)



- Red (97%)
- Yellow (100%)
- Blue (97%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 99.4954, 0.3173, 0.3367 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 99.4954, 0.3173, 0.3367 by changing the saturation by 10% instead.




 99.4954, 0.3173,  
0.3367

 99.4954, 0.3173,  
0.3367

558.4586, 0.3153,  
0.3333

 75.8821, 0.3177,  
0.3374


160.4608, 0.3166,  
0.3356

 56.3358, 0.3183,  
0.3383


198.5818, 0.3164,  
0.3351

 40.4722, 0.3189,  
0.3394


242.3073, 0.3161,  
0.3347

 27.9069, 0.3197,  
0.3408

292.0219, 0.3159,  
0.3344

 18.2555, 0.3208,  
0.3426

348.1099, 0.3157,  
0.3341

 11.1336, 0.3222,  
0.3450

410.9558, 0.3156,

 6.1568, 0.3242,

0.3338

0.3486

480.9439, 0.3154,  
0.3336

■ 2.9406, 0.3274,  
0.3541

■ 1.1008, 0.3331,  
0.3642

■ 99.4954, 0.3173,  
0.3367

■ 99.4954, 0.3173,  
0.3367


■ 97.9591, 0.3322,  
0.3617

100.0000, 0.3127,  
0.3290


■ 96.6465, 0.3474,  
0.3871


■ 95.5314, 0.3623,  
0.4121

■ 94.6037, 0.3764,  
0.4359

 93.8526, 0.3891,  
0.4574

 93.2661, 0.3997,  
0.4756

 92.8308, 0.4080,  
0.4897

 92.5312, 0.4136,  
0.4995

 92.3484, 0.4166,  
0.5049

# Harmonies

## Analogous

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



99.4954, 0.3204, 0.3357



99.4954, 0.3173, 0.3367



99.4954, 0.3130, 0.3356

# Triad

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



99.4954, 0.3173, 0.3367



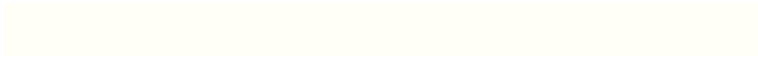
99.4954, 0.3041, 0.3250



99.4954, 0.3168, 0.3254

# Complementary

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



99.4954, 0.3173, 0.3367



93.5180, 0.3081, 0.3212

# 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.



99.4954, 0.3124, 0.3225



99.4954, 0.3173, 0.3367



99.4954, 0.3051, 0.3223

# Square

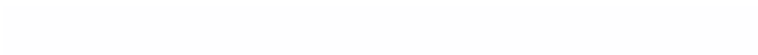
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



99.4954, 0.3173, 0.3367



99.4954, 0.3054, 0.3288



99.4954, 0.3081, 0.3214



99.4954, 0.3201, 0.3291



# Rectangle

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



99.4954, 0.3173, 0.3367



99.4954, 0.3101, 0.3338



99.4954, 0.3081, 0.3214



99.4954, 0.3154, 0.3243

# Sweetspot

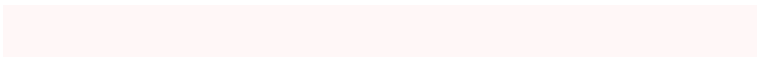
The Sweet Spot groups the original color and five complimentary colors.



99.4783, 0.3173, 0.3367



99.8317, 0.3142, 0.3314



94.4858, 0.3179, 0.3290



21.3699, 0.3141, 0.3313



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.



99.4783, 0.3173, 0.3367



99.3399, 0.3186, 0.3388



98.7421, 0.3148, 0.3367



21.2371, 0.3197, 0.3406



48.2185, 0.4175, 0.5067



4.6979, 0.4177, 0.5065



# Inverse Universe

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



93.5180, 0.3081, 0.3212



91.7998, 0.3068, 0.3190



94.2391, 0.3105, 0.3213



19.3294, 0.3056, 0.3171



3.7857, 0.1503, 0.0602



0.3717, 0.1511, 0.0606



# Previews

## White Background



This preview shows how the Xy color 99.4954, 0.3173, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

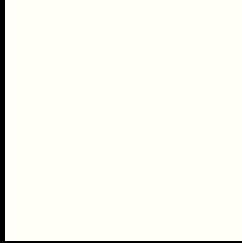
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 99.4954, 0.3173, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

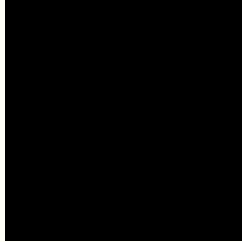
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 99.4954, 0.3173, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 99.4954, 0.3173, 0.3367.



This preview shows how white text looks on a background with the Yxy color 99.4954, 0.3173, 0.3367.

# 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

99.4954, 0.3173, 0.3367

### Protanopia

99.2994, 0.3133, 0.3290

### Deuteranopia

99.2994, 0.3133, 0.3290

## Tritanopia

99.3636, 0.3128, 0.3281

# Trichromacy

## Original Color

99.4954, 0.3173, 0.3367

## Protanomaly

99.1087, 0.3151, 0.3319

## Deuteranomaly

99.1087, 0.3151, 0.3319

## Tritanomaly

99.1719, 0.3145, 0.3309

# Monochromacy

## Original Color

99.4954, 0.3173, 0.3367

## Achromatopsia

99.1102, 0.3127, 0.3290

## Achromatomaly

98.9195, 0.3145, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 99.4954, 0.3173, 0.3367 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 99.4954, 0.3173, 0.3367 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, 247) }
```

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

```
.border{ border-color:rgb(255, 255, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 99.4954, 0.3173, 0.3367 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, 247) }
```

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

```
.background{ background-color: rgb(255,  
255, 247) }
```

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