

# Converting Colors

$Y_{xy}(105.3130, 0.3236, 0.3407)$

Have a look what the booklet for  
Yxy(105.3130, 0.3236, 0.3407)  
contains.

<b>Yxy(99.5573, 0.3168, 0.3357)</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(99.5573, 0.3168, 0.3357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFFF8
RGB	255, 255, 248
RGB Percent	100%, 100%, 97%
CMY	0.0000, 0.0000, 0.0275
CMYK	0.00, 0.00, 0.03, 0.00
HSL	60°, 100%, 99%
HSV	60°, 3%, 100%
XYZ	93.9522, 99.5573, 103.0568
YIQ	254.2020, 2.2470, -2.1770

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 255, 248
Decimal	16777208
CIE <sub>Lab</sub>	99.83, -1.19, 3.34
CIE <sub>LCh</sub>	100, 3.543, 109.598
Yxy	99.5573, 0.3168, 0.3357
Android (android.graphics.Color)	4294967288 (0xFFFFFFFF8)
YUV	254.2020, -3.0576, 0.6998
Hunter-Lab	99.7784, -6.5351, 8.6068

# Details

The Yxy color 99.5573, 0.3168, 0.3357 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.3008, 0.3086, 0.3222, and the grayscale version is 99.3106, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 56.1997, 0.3171, 0.3363 is the 20% darker color. If you saturate the color by 10%, you get 98.0672, 0.3319, 0.3606, 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 99.5573, 0.3168, 0.3357 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 99.5573, 0.3168, 0.3357 by changing the saturation by 10% instead.



99.5573, 0.3168,  
0.3357

99.5573, 0.3168,  
0.3357

558.6541, 0.3150,  
0.3328

75.9337, 0.3172,  
0.3363

160.5460, 0.3162,  
0.3347

56.3782, 0.3176,  
0.3371

198.6799, 0.3160,  
0.3343

40.5062, 0.3182,  
0.3380

242.4194, 0.3158,  
0.3340

27.9335, 0.3189,  
0.3392

292.1488, 0.3156,  
0.3337

18.2755, 0.3199,  
0.3408

348.2526, 0.3154,  
0.3334

11.1480, 0.3212,  
0.3429

411.1152, 0.3153,

6.1664, 0.3230,

0.3332

0.3460

481.1209, 0.3151,  
0.3330

■ 2.9466, 0.3258,  
0.3508

■ 1.1039, 0.3308,  
0.3594

■ 99.5573, 0.3168,  
0.3357

■ 99.5573, 0.3168,  
0.3357


■ 98.0672, 0.3319,  
0.3606

100.0000, 0.3127,  
0.3290


■ 96.7877, 0.3472,  
0.3860


■ 95.7060, 0.3623,  
0.4110

■ 94.8121, 0.3767,  
0.4346

 94.0951, 0.3896,  
0.4560

 93.5432, 0.4006,  
0.4741

 93.1430, 0.4091,  
0.4882

 92.8791, 0.4150,  
0.4980

 92.7326, 0.4183,  
0.5034

# Harmonies

## Analogous

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

99.5573, 0.3194, 0.3348

99.5573, 0.3168, 0.3357

99.5573, 0.3131, 0.3348

# Triad

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



99.5573, 0.3168, 0.3357



99.5573, 0.3053, 0.3256



99.5573, 0.3161, 0.3258

# Complementary

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



99.5573, 0.3168, 0.3357



94.3008, 0.3086, 0.3222

# 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.



99.5573, 0.3123, 0.3233



99.5573, 0.3168, 0.3357



99.5573, 0.3061, 0.3232

# Square

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



99.5573, 0.3168, 0.3357



99.5573, 0.3064, 0.3290



99.5573, 0.3086, 0.3224



99.5573, 0.3191, 0.3290



# Rectangle

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



99.5573, 0.3168, 0.3357



99.5573, 0.3105, 0.3333



99.5573, 0.3086, 0.3224



99.5573, 0.3149, 0.3248

# Sweetspot

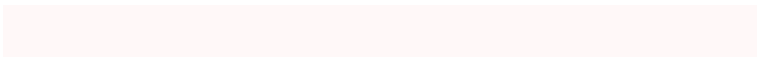
The Sweet Spot groups the original color and five complimentary colors.



99.5535, 0.3168, 0.3357



99.8358, 0.3142, 0.3314



95.1683, 0.3171, 0.3289



21.3707, 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.



99.5535, 0.3168, 0.3357



99.5140, 0.3171, 0.3363



98.9188, 0.3147, 0.3357



21.2730, 0.3183, 0.3383



48.4283, 0.4194, 0.5052



4.7159, 0.4194, 0.5052



# Inverse Universe

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



94.3008, 0.3086, 0.3222



93.7965, 0.3082, 0.3216



94.9236, 0.3107, 0.3223



19.7305, 0.3070, 0.3195



3.7752, 0.1500, 0.0600



0.3682, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the hex color #995573, (0.3168, 0.3357) looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

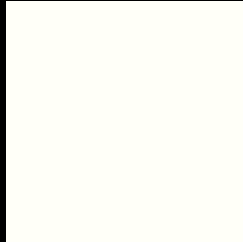
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 99.5573, 0.3168, 0.3357 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

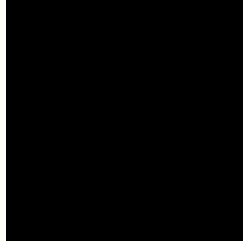
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 99.5573, 0.3168, 0.3357**

## **Background**



This preview shows how black text looks on a background with the Yxy color 99.5573, 0.3168, 0.3357.



This preview shows how white text looks on a background with the Yxy color 99.5573, 0.3168, 0.3357.

# 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

99.5573, 0.3168, 0.3357

### Protanopia

99.2994, 0.3133, 0.3290

### Deuteranopia

99.2994, 0.3133, 0.3290

## Tritanopia

99.3636, 0.3128, 0.3281

# Trichromacy

## Original Color

99.5573, 0.3168, 0.3357

## Protanomaly

99.1719, 0.3145, 0.3309

## Deuteranomaly

99.1719, 0.3145, 0.3309

## Tritanomaly

99.1719, 0.3145, 0.3309

# Monochromacy

## Original Color

99.5573, 0.3168, 0.3357

## Achromatopsia

99.1102, 0.3127, 0.3290

## Achromatomaly

98.9827, 0.3139, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 99.5573, 0.3168, 0.3357 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 99.5573, 0.3168, 0.3357 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, 248) }
```

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

```
.border{ border-color:rgb(255, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 99.5573, 0.3168, 0.3357 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
255, 248) }
```

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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