

# Converting Colors

$Y_{xy}(100.0000, 0.3113, 0.3359)$

Have a look what the booklet for  
Yxy(100.0000, 0.3113, 0.3359)  
contains.

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# Color

**Yxy(98.3786, 0.3113, 0.3338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFFA
RGB	248, 255, 250
RGB Percent	97%, 100%, 98%
CMY	0.0271, 0.0001, 0.0196
CMYK	0.03, 0.00, 0.02, 0.00
HSL	137°, 100%, 99%
HSV	137°, 3%, 100%
XYZ	91.7473, 98.3786, 104.5973
YIQ	252.3370, -2.5670, -3.0390

# Conversions

## Conversions Part 2

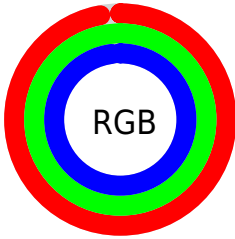
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 253, 255
Decimal	16318458
CIE <sub>Lab</sub>	99.37, -3.14, 1.57
CIE <sub>LCh</sub>	99, 3.509, 153.379
Yxy	98.3786, 0.3113, 0.3338
Android (android.graphics.Color)	4294508538 (0xFFFF8FFFA)
YUV	252.3370, -1.1521, -3.8035
Hunter-Lab	99.1860, -8.4625, 6.9055

# Details

The Yxy color 98.3786, 0.3113, 0.3338 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.5360, 0.3142, 0.3242, and the grayscale version is 97.6649, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.4897, 0.3109, 0.3339 is the 20% darker color. If you saturate the color by 10%, you get 92.9352, 0.3060, 0.3530, and if you desaturate by 10%, it is 99.9895, 0.3127, 0.3290.

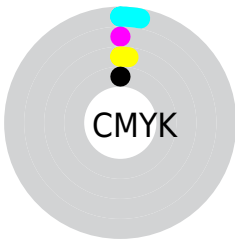
# Distribution



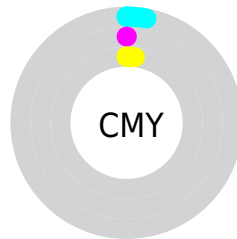
- Red (97%)
- Green (100%)
- Blue (98%)



- Red (97%)
- Yellow (99%)
- Blue (100%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.3786, 0.3113, 0.3338 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 98.3786, 0.3113, 0.3338 by changing the saturation by 10% instead.




 98.3786, 0.3113,  
0.3338

 98.3786, 0.3113,  
0.3338


554.9256, 0.3119,  
0.3317

 74.9502, 0.3112,  
0.3343

158.9241, 0.3115,  
0.3331

 55.5721, 0.3110,  
0.3348


196.8100, 0.3116,  
0.3328

 39.8599, 0.3108,  
0.3355


240.2838, 0.3117,  
0.3326

 27.4293, 0.3105,  
0.3364

289.7299, 0.3117,  
0.3323

 17.8959, 0.3102,  
0.3375

345.5328, 0.3118,  
0.3322

 10.8753, 0.3097,  
0.3391

408.0767, 0.3118,

 5.9830, 0.3090,

0.3320

0.3413

477.7462, 0.3119,  
0.3318

■ 2.8348, 0.3080,  
0.3449

■ 1.0461, 0.3060,  
0.3513

■ 98.3786, 0.3113,  
0.3338

■ 98.3786, 0.3113,  
0.3338


■ 92.9352, 0.3060,  
0.3530


99.9895, 0.3127,  
0.3290


■ 88.2063, 0.3009,  
0.3747

■ 84.1656, 0.2960,  
0.3986


■ 80.7803, 0.2917,  
0.4246

 78.0149, 0.2883,  
0.4521

 75.8305, 0.2861,  
0.4801

 74.1834, 0.2854,  
0.5074

 73.0237, 0.2862,  
0.5327

 72.2916, 0.2886,  
0.5545

# Harmonies

## Analogous

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



98.3786, 0.3152, 0.3355



98.3786, 0.3113, 0.3338



98.3786, 0.3078, 0.3308

# Triad

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



98.3786, 0.3113, 0.3338



98.3786, 0.3071, 0.3227



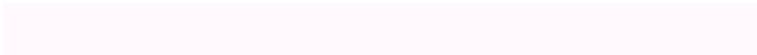
98.3786, 0.3198, 0.3306

# Complementary

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



98.3786, 0.3113, 0.3338



95.5360, 0.3142, 0.3242

# 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.



98.3786, 0.3176, 0.3272



98.3786, 0.3113, 0.3338



98.3786, 0.3103, 0.3227

# Square

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



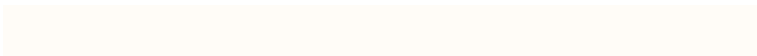
98.3786, 0.3113, 0.3338



98.3786, 0.3054, 0.3244



98.3786, 0.3141, 0.3243



98.3786, 0.3201, 0.3336



# Rectangle

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



98.3786, 0.3113, 0.3338



98.3786, 0.3062, 0.3285



98.3786, 0.3141, 0.3243



98.3786, 0.3193, 0.3295

# Sweetspot

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



98.3828, 0.3113, 0.3338



99.4017, 0.3122, 0.3308



99.2012, 0.3156, 0.3356



21.2824, 0.3122, 0.3307



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.



98.3828, 0.3113, 0.3338



98.2275, 0.3111, 0.3343



98.5961, 0.3094, 0.3305



20.9258, 0.3107, 0.3358



37.6306, 0.2903, 0.5649



3.6816, 0.2842, 0.5430



# Inverse Universe

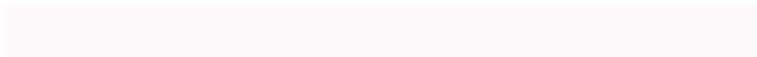
The Inverse Universe completely reimagines the original color for something new.



95.5360, 0.3142, 0.3242



95.0792, 0.3143, 0.3237



95.3231, 0.3162, 0.3275



20.0764, 0.3148, 0.3223



12.9422, 0.4069, 0.2015



1.2787, 0.3948, 0.1948



# Previews

## White Background



This preview shows how the Yxy color 98.3786, 0.3113, 0.3338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

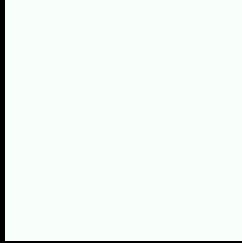
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.3786, 0.3113, 0.3338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

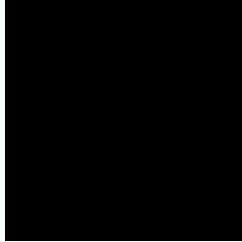
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.3786, 0.3113, 0.3338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.3786, 0.3113, 0.3338.



This preview shows how white text looks on a background with the Yxy color 98.3786, 0.3113, 0.3338.

# 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

98.3786, 0.3113, 0.3338

### Protanopia

98.4756, 0.3151, 0.3309

### Deuteranopia

98.6024, 0.3140, 0.3290

## **Tritanopia**

98.3532, 0.3116, 0.3271

# Trichromacy

## Original Color

98.3786, 0.3113, 0.3338

## Protanomaly

98.5441, 0.3132, 0.3319

## Deuteranomaly

98.6073, 0.3126, 0.3309

## Tritanomaly

98.4847, 0.3114, 0.3300

# Monochromacy

## Original Color

98.3786, 0.3113, 0.3338

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.7248, 0.3126, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.3786, 0.3113, 0.3338 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(248, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 250)  
}
```

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(248, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 98.3786, 0.3113, 0.3338 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(248, 255, 250) }
```

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

```
.border{ border-color:rgb(248, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.3786, 0.3113, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 250) }
```

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

```
.background{ background-color: rgb(248,  
255, 250) }
```

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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