

# Converting Colors

$Yxy(98.3012, 0.3120, 0.3351)$

Have a look what the booklet for  
Yxy(98.3012, 0.3120, 0.3351)  
contains.

<b>Yxy(98.3160, 0.3118, 0.3348)</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(98.3160, 0.3118, 0.3348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFF9
RGB	248, 255, 249
RGB Percent	97%, 100%, 98%
CMY	0.0276, 0.0000, 0.0235
CMYK	0.03, 0.00, 0.02, 0.00
HSL	129°, 100%, 99%
HSV	129°, 3%, 100%
XYZ	91.5619, 98.3160, 103.7780
YIQ	252.2230, -2.2460, -3.3500

# Conversions

## Conversions Part 2

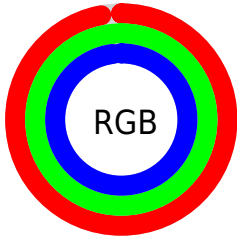
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 254, 255
Decimal	16318457
CIE Lab	99.35, -3.36, 2.05
CIE LCh	99, 3.938, 148.688
Yxy	98.3160, 0.3118, 0.3348
Android (android.graphics.Color)	4294508537 (0xFFFF8FFF9)
YUV	252.2230, -1.5889, -3.7036
Hunter-Lab	99.1544, -8.6885, 7.3534

# Details

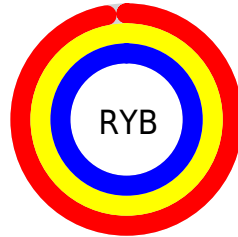
The Yxy color 98.3160, 0.3118, 0.3348 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.5279, 0.3136, 0.3233, and the grayscale version is 97.5475, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.4449, 0.3116, 0.3351 is the 20% darker color. If you saturate the color by 10%, you get 92.6849, 0.3084, 0.3576, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

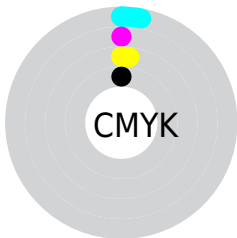
# Distribution



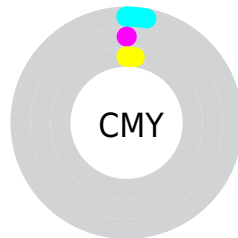
- Red (97%)
- Green (100%)
- Blue (98%)



- Red (97%)
- Yellow (100%)
- 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 98.3160, 0.3118, 0.3348 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 98.3160, 0.3118, 0.3348 by changing the saturation by 10% instead.




 98.3160, 0.3118,  
0.3348

 98.3160, 0.3118,  
0.3348


554.7272, 0.3122,  
0.3323

 74.8979, 0.3117,  
0.3354


158.8379, 0.3119,  
0.3339

 55.5293, 0.3116,  
0.3360


196.7106, 0.3120,  
0.3336

 39.8256, 0.3115,  
0.3369


240.1703, 0.3120,  
0.3333

 27.4026, 0.3113,  
0.3379

289.6013, 0.3121,  
0.3330

 17.8758, 0.3111,  
0.3393

345.3881, 0.3121,  
0.3328

 10.8609, 0.3107,  
0.3412

407.9151, 0.3122,

 5.9734, 0.3103,

0.3326

0.3439

477.5667, 0.3122,  
0.3324

■ 2.8289, 0.3095,  
0.3482

■ 1.0431, 0.3081,  
0.3561

■ 98.3160, 0.3118,  
0.3348

■ 98.3160, 0.3118,  
0.3348

■ 92.6849, 0.3084,  
0.3576

100.0000, 0.3127,  
0.3290

■ 87.8202, 0.3050,  
0.3834

■ 83.6836, 0.3017,  
0.4119

■ 80.2398, 0.2987,  
0.4427

■ 77.4507, 0.2963,  
0.4748

■ 75.2742, 0.2946,  
0.5065

■ 73.6636, 0.2940,  
0.5360

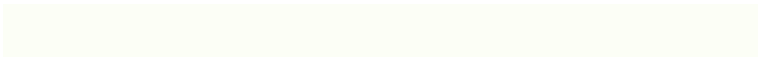
■ 72.5651, 0.2944,  
0.5611

■ 71.9143, 0.2958,  
0.5802

# Harmonies

## Analogous

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



98.3160, 0.3161, 0.3364



98.3160, 0.3118, 0.3348



98.3160, 0.3078, 0.3316

# Triad

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



98.3160, 0.3118, 0.3348



98.3160, 0.3060, 0.3221



98.3160, 0.3204, 0.3302

# Complementary

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



98.3160, 0.3118, 0.3348



95.5279, 0.3136, 0.3233

# 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.



98.3160, 0.3177, 0.3264



98.3160, 0.3118, 0.3348



98.3160, 0.3093, 0.3218

# Square

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



98.3160, 0.3118, 0.3348



98.3160, 0.3044, 0.3243



98.3160, 0.3136, 0.3233



98.3160, 0.3211, 0.3337



# Rectangle

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



98.3160, 0.3118, 0.3348



98.3160, 0.3058, 0.3291



98.3160, 0.3136, 0.3233



98.3160, 0.3197, 0.3289

# Sweetspot

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



98.3105, 0.3118, 0.3348



99.3804, 0.3124, 0.3311



99.3779, 0.3162, 0.3357



21.2780, 0.3124, 0.3310



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.



98.3105, 0.3118, 0.3348



98.1651, 0.3117, 0.3353



98.5255, 0.3099, 0.3315



20.9090, 0.3115, 0.3370



37.4559, 0.2967, 0.5880



3.6593, 0.2919, 0.5710



# Inverse Universe

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



95.5279, 0.3136, 0.3233



95.1432, 0.3137, 0.3228



95.3111, 0.3157, 0.3265



20.0937, 0.3140, 0.3211



13.7521, 0.3623, 0.1770



1.3510, 0.3568, 0.1739



# Previews

## White Background



This preview shows how the Yxy color 98.3160, 0.3118, 0.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

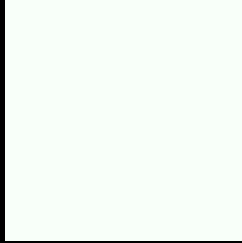
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.3160, 0.3118, 0.3348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

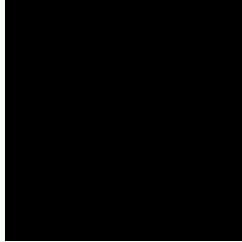
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.3160, 0.3118, 0.3348**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.3160, 0.3118, 0.3348.



This preview shows how white text looks on a background with the Yxy color 98.3160, 0.3118, 0.3348.

# 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

98.3160, 0.3118, 0.3348

### Protanopia

98.4756, 0.3151, 0.3309

### Deuteranopia

97.9727, 0.3140, 0.3281

## **Tritanopia**

98.3532, 0.3116, 0.3271

# Trichromacy

## Original Color

98.3160, 0.3118, 0.3348

## Protanomaly

98.4812, 0.3138, 0.3328

## Deuteranomaly

97.9743, 0.3127, 0.3300

## Tritanomaly

98.4847, 0.3114, 0.3300

# Monochromacy

## Original Color

98.3160, 0.3118, 0.3348

## 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 98.3160, 0.3118, 0.3348 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 98.3160, 0.3118, 0.3348 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, 249) }
```

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

```
.border{ border-color:rgb(248, 255, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.3160, 0.3118, 0.3348 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, 249) }
```

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

```
.background{ background-color: rgb(248,  
255, 249) }
```

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