

# Converting Colors

$Y_{xy}(100.0000, 0.3095, 0.3364)$

Have a look what the booklet for  
Yxy(100.0000, 0.3095, 0.3364)  
contains.

<b>Yxy(98.0150, 0.3100, 0.3338)</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(98.0150, 0.3100, 0.3338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFFA
RGB	246, 255, 250
RGB Percent	96%, 100%, 98%
CMY	0.0353, 0.0000, 0.0195
CMYK	0.04, 0.00, 0.02, 0.00
HSL	147°, 100%, 98%
HSV	147°, 4%, 100%
XYZ	91.0265, 98.0150, 104.5924
YIQ	251.7390, -3.7590, -3.4630

# Conversions

## Conversions Part 2

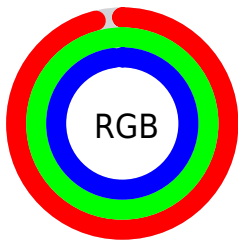
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 252, 255
Decimal	16187386
CIE <sub>Lab</sub>	99.23, -3.82, 1.33
CIE <sub>LCh</sub>	99, 4.046, 160.808
Yxy	98.0150, 0.3100, 0.3338
Android (android.graphics.Color)	4294377466 (0xFFFF6FFFA)
YUV	251.7390, -0.8573, -5.0331
Hunter-Lab	99.0025, -9.1350, 6.6641

# Details

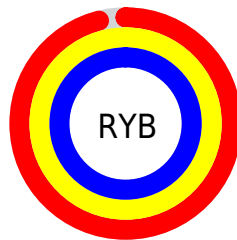
The Yxy color 98.0150, 0.3100, 0.3338 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.1373, 0.3155, 0.3242, and the grayscale version is 97.1299, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.2304, 0.3094, 0.3339 is the 20% darker color. If you saturate the color by 10%, you get 92.8687, 0.3024, 0.3485, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

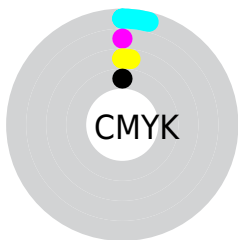
# Distribution



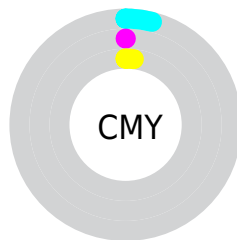
- Red (96%)
- Green (100%)
- Blue (98%)



- Red (96%)
- Yellow (99%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.0150, 0.3100, 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 98.0150, 0.3100, 0.3338 by changing the saturation by 10% instead.




 98.0150, 0.3100,  
0.3338

 98.0150, 0.3100,  
0.3338

553.7728, 0.3112,  
0.3317

 74.6469, 0.3097,  
0.3343

158.4234, 0.3104,  
0.3331

 55.3237, 0.3094,  
0.3348

196.2326, 0.3106,  
0.3328

 39.6609, 0.3090,  
0.3355


239.6242, 0.3107,  
0.3326

 27.2743, 0.3085,  
0.3364

288.9826, 0.3108,  
0.3323

 17.7793, 0.3079,  
0.3375

344.6923, 0.3109,  
0.3322

 10.7917, 0.3070,  
0.3391

407.1376, 0.3110,

 5.9269, 0.3057,

0.3320

0.3413

476.7030, 0.3111,  
0.3318

■ 2.8007, 0.3037,  
0.3449

■ 1.0286, 0.3000,  
0.3514

■ 98.0150, 0.3100,  
0.3338

■ 98.0150, 0.3100,  
0.3338

■ 92.8687, 0.3024,  
0.3485

100.0000, 0.3127,  
0.3290


■ 88.3911, 0.2950,  
0.3650


■ 84.5565, 0.2882,  
0.3832


■ 81.3339, 0.2822,  
0.4028

 78.6896, 0.2774,  
0.4238

 76.5866, 0.2741,  
0.4455

 74.9835, 0.2727,  
0.4675

 73.8323, 0.2732,  
0.4889

 73.0750, 0.2757,  
0.5091

# Harmonies

## Analogous

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



98.0150, 0.3145, 0.3362



98.0150, 0.3100, 0.3338



98.0150, 0.3063, 0.3301

# Triad

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



98.0150, 0.3100, 0.3338



98.0150, 0.3070, 0.3215



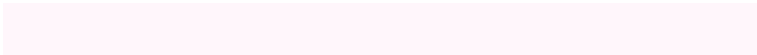
98.0150, 0.3212, 0.3318

# Complementary

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



98.0150, 0.3100, 0.3338



94.1373, 0.3155, 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.



98.0150, 0.3192, 0.3279



98.0150, 0.3100, 0.3338



98.0150, 0.3110, 0.3220

# Square

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



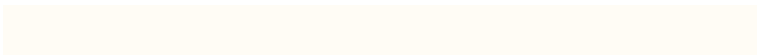
98.0150, 0.3100, 0.3338



98.0150, 0.3046, 0.3230



98.0150, 0.3154, 0.3243



98.0150, 0.3209, 0.3350



# Rectangle

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



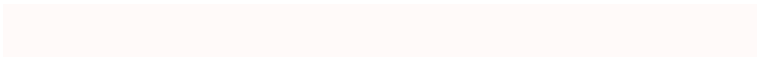
98.0150, 0.3100, 0.3338



98.0150, 0.3047, 0.3274



98.0150, 0.3154, 0.3243



98.0150, 0.3208, 0.3305

# Sweetspot

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



98.0181, 0.3100, 0.3338



99.4293, 0.3119, 0.3303



98.7023, 0.3155, 0.3377



21.2880, 0.3120, 0.3303



0.0000, 0.0000, 0.0000

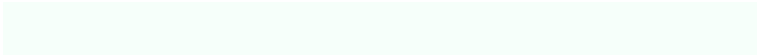


21.4041, 0.3127, 0.3290



# Same Dimension

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



98.0181, 0.3100, 0.3338



97.7593, 0.3096, 0.3345



98.2951, 0.3075, 0.3296



20.8370, 0.3091, 0.3355



38.0382, 0.2773, 0.5182



3.7253, 0.2712, 0.4962



# Inverse Universe

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



94.1373, 0.3155, 0.3242



93.3729, 0.3159, 0.3236



93.8653, 0.3182, 0.3284



19.7272, 0.3165, 0.3226



12.1395, 0.4745, 0.2388



1.2040, 0.4521, 0.2264



# Previews

## White Background



This preview shows how the Yxy color 98.0150, 0.3100, 0.3338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

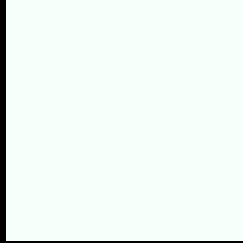
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.0150, 0.3100, 0.3338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

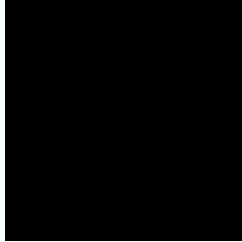
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.0150, 0.3100, 0.3338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.0150, 0.3100, 0.3338.



This preview shows how white text looks on a background with the Yxy color 98.0150, 0.3100, 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

A vertical grid of three colored squares: a light green square at the top, a light orange square in the middle, and a light pink square at the bottom. To the right of each square is text describing the color and its corresponding L, M, and S cone response values.

### Original Color

98.0150, 0.3100, 0.3338

### Protanopia

97.8458, 0.3152, 0.3300

### Deuteranopia

97.9727, 0.3140, 0.3281

## **Tritanopia**

98.1660, 0.3109, 0.3271

# Trichromacy

## Original Color

98.0150, 0.3100, 0.3338

## Protanomaly

97.9110, 0.3133, 0.3309

## Deuteranomaly

97.9743, 0.3127, 0.3300

## Tritanomaly

98.2995, 0.3108, 0.3300

# Monochromacy

## Original Color

98.0150, 0.3100, 0.3338

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.5396, 0.3120, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.0150, 0.3100, 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(246, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 98.0150, 0.3100, 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(246, 255, 250) }
```

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

```
.border{ border-color:rgb(246, 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(246, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.0150, 0.3100, 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(246, 255, 250) }
```

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

```
.background{ background-color: rgb(246,  
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](#).

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