

# Converting Colors

$Y_{xy}(100.0000, 0.3146, 0.3424)$

Have a look what the booklet for  
Yxy(100.0000, 0.3146, 0.3424)  
contains.

<b>Yxy(98.0081, 0.3147, 0.3397)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(98.0081, 0.3147, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFF4
RGB	248, 255, 244
RGB Percent	97%, 100%, 96%
CMY	0.0275, 0.0000, 0.0432
CMYK	0.03, 0.00, 0.04, 0.00
HSL	98°, 100%, 98%
HSV	98°, 4%, 100%
XYZ	90.7953, 98.0081, 99.7103
YIQ	251.6530, -0.6410, -4.9050

# Conversions

## Conversions Part 2

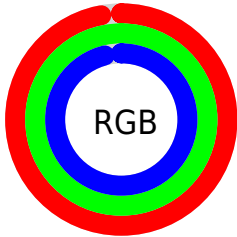
<b>Format</b>	<b>Color</b>
<b>RYB</b>	244, 255, 251
Decimal	16318452
CIELab	99.22, -4.23, 4.44
CIELCh	99, 6.134, 133.563
Yxy	98.0081, 0.3147, 0.3397
Android (android.graphics.Color)	4294508532 (0xFFFF8FFF4)
YUV	251.6530, -3.7729, -3.2037
Hunter-Lab	98.9990, -9.5401, 9.5833

# Details

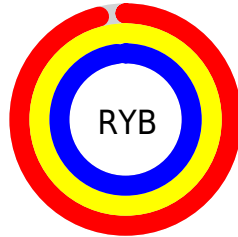
The Yxy color 98.0081, 0.3147, 0.3397 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.4249, 0.3107, 0.3184, and the grayscale version is 97.0681, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.2255, 0.3153, 0.3414 is the 20% darker color. If you saturate the color by 10%, you get 93.7208, 0.3192, 0.3663, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

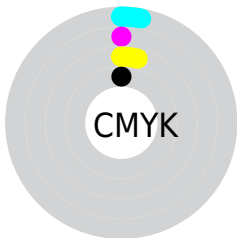
# Distribution



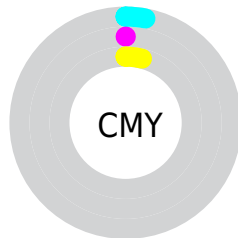
- Red (97%)
- Green (100%)
- Blue (96%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.0081, 0.3147, 0.3397 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 98.0081, 0.3147, 0.3397 by changing the saturation by 10% instead.




 98.0081, 0.3147,  
0.3397

 98.0081, 0.3147,  
0.3397


553.7509, 0.3138,  
0.3350

 74.6411, 0.3149,  
0.3407

158.4139, 0.3144,  
0.3381

 55.3189, 0.3151,  
0.3420

196.2216, 0.3143,  
0.3375

 39.6571, 0.3154,  
0.3435


239.6116, 0.3142,  
0.3369

 27.2713, 0.3157,  
0.3455

288.9684, 0.3141,  
0.3364

 17.7771, 0.3161,  
0.3481

344.6763, 0.3140,  
0.3360

 10.7901, 0.3167,  
0.3516

407.1198, 0.3140,

 5.9259, 0.3175,

0.3356

0.3568

476.6832, 0.3139,  
0.3353

■ 2.8000, 0.3187,  
0.3650

■ 1.0283, 0.3217,  
0.3812

■ 98.0081, 0.3147,  
0.3397

■ 98.0081, 0.3147,  
0.3397

■ 93.7208, 0.3192,  
0.3663

100.0000, 0.3127,  
0.3290

■ 89.8932, 0.3235,  
0.3954

■ 86.5060, 0.3273,  
0.4263

■ 83.5423, 0.3302,  
0.4584

■ 80.9836, 0.3318,  
0.4901

■ 78.8101, 0.3320,  
0.5199

■ 76.9998, 0.3303,  
0.5458

■ 75.5283, 0.3269,  
0.5660

■ 74.3667, 0.3220,  
0.5797

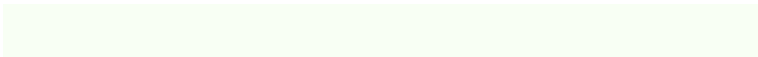
# Harmonies

## Analogous

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



98.0081, 0.3209, 0.3406



98.0081, 0.3147, 0.3397



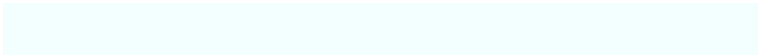
98.0081, 0.3080, 0.3358

# Triad

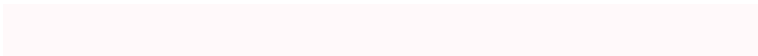
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



98.0081, 0.3147, 0.3397



98.0081, 0.3006, 0.3196



98.0081, 0.3229, 0.3278

# Complementary

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



98.0081, 0.3147, 0.3397



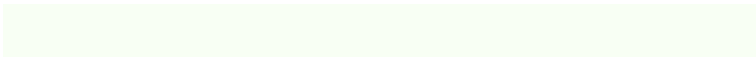
92.4249, 0.3107, 0.3184

# 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.



98.0081, 0.3174, 0.3223



98.0081, 0.3147, 0.3397



98.0081, 0.3045, 0.3176

# Square

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



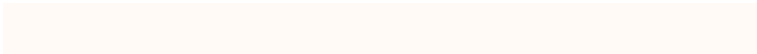
98.0081, 0.3147, 0.3397



98.0081, 0.2999, 0.3241



98.0081, 0.3106, 0.3186



98.0081, 0.3257, 0.3337



# Rectangle

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



98.0081, 0.3147, 0.3397



98.0081, 0.3041, 0.3321



98.0081, 0.3106, 0.3186



98.0081, 0.3213, 0.3259

# Sweetspot

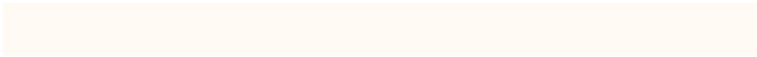
The Sweet Spot groups the original color and five complimentary colors.



98.0051, 0.3147, 0.3397



99.5301, 0.3132, 0.3314



96.7622, 0.3194, 0.3357



21.3085, 0.3132, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

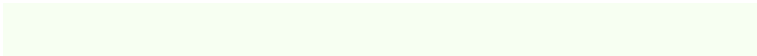


# Same Dimension

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



98.0051, 0.3147, 0.3397



97.6980, 0.3150, 0.3414



97.3718, 0.3114, 0.3383



20.8442, 0.3153, 0.3432



38.6519, 0.3200, 0.5842



3.8225, 0.3286, 0.5773



# Inverse Universe

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



92.4249, 0.3107, 0.3184



91.2658, 0.3103, 0.3167



93.0810, 0.3141, 0.3199



19.2814, 0.3100, 0.3149



7.8967, 0.2313, 0.1048



0.8307, 0.2415, 0.1104



# Previews

## White Background



This preview shows how the Yxy color 98.0081, 0.3147, 0.3397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

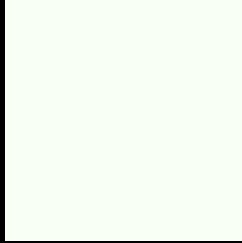
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.0081, 0.3147, 0.3397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

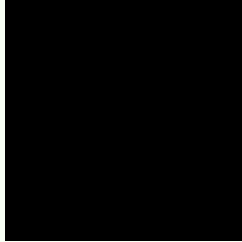
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.0081, 0.3147, 0.3397**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.0081, 0.3147, 0.3397.



This preview shows how white text looks on a background with the Yxy color 98.0081, 0.3147, 0.3397.

# 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

The image shows three vertical color swatches. The top one is a light green, the middle one is a light orange, and the bottom one is a light yellow. Each swatch is followed by text describing the color and its corresponding numerical values.

**Original Color**

98.0081, 0.3147, 0.3397

**Protanopia**

97.7204, 0.3164, 0.3319

**Deuteranopia**

97.9091, 0.3146, 0.3290

## Tritanopia

97.7235, 0.3116, 0.3261

# Trichromacy



**Original Color**

98.0081, 0.3147, 0.3397

**Protanomaly**

97.6614, 0.3156, 0.3348

**Deuteranomaly**

97.7856, 0.3144, 0.3328

**Tritanomaly**

97.7248, 0.3126, 0.3309

# Monochromacy



**Original Color**

98.0081, 0.3147, 0.3397



**Achromatopsia**

97.3445, 0.3127, 0.3290

**Achromatomaly**

97.5993, 0.3138, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.0081, 0.3147, 0.3397 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 98.0081, 0.3147, 0.3397 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, 244) }
```

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

```
.border{ border-color:rgb(248, 255, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.0081, 0.3147, 0.3397 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, 244) }
```

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

```
.background{ background-color: rgb(248,  
255, 244) }
```

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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