

Converting Colors

$Y_{xy}(100.0000, 0.3127, 0.3401)$

Have a look what the booklet for
Yxy(100.0000, 0.3127, 0.3401)
contains.

Yxy(98.0096, 0.3124, 0.3368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(98.0096, 0.3124, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFF7
RGB	247, 255, 247
RGB Percent	97%, 100%, 97%
CMY	0.0312, 0.0000, 0.0316
CMYK	0.03, 0.00, 0.03, 0.00
HSL	119°, 100%, 98%
HSV	119°, 3%, 100%
XYZ	90.9091, 98.0096, 102.0836
YIQ	251.6960, -2.2000, -4.1840

Conversions

Conversions Part 2

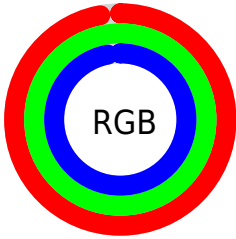
Format	Color
R_{YB}	247, 255, 255
Decimal	16252919
CIE _{Lab}	99.23, -4.02, 2.92
CIE _{LCh}	99, 4.970, 144.062
Yxy	98.0096, 0.3124, 0.3368
Android (android.graphics.Color)	4294442999 (0xFFFF7FFF7)
YUV	251.6960, -2.3151, -4.1184
Hunter-Lab	98.9998, -9.3374, 8.1630

Details

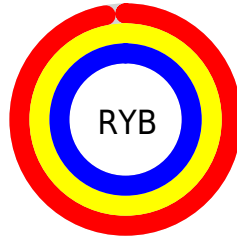
The Yxy color 98.0096, 0.3124, 0.3368 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.9584, 0.3130, 0.3213, and the grayscale version is 97.1036, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.2261, 0.3123, 0.3376 is the 20% darker color. If you saturate the color by 10%, you get 92.2612, 0.3113, 0.3639, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

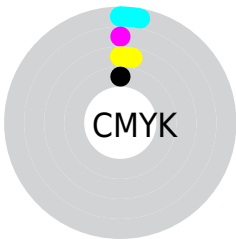
Distribution



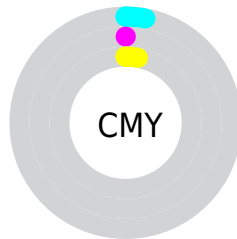
- Red (97%)
- Green (100%)
- Blue (97%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 98.0096, 0.3124, 0.3368 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 98.0096, 0.3124, 0.3368 by changing the saturation by 10% instead.


 98.0096, 0.3124,
0.3368

 98.0096, 0.3124,
0.3368

553.7557, 0.3126,
0.3334

 74.6424, 0.3124,
0.3375


158.4160, 0.3125,
0.3356

 55.3200, 0.3123,
0.3385


196.2240, 0.3125,
0.3352

 39.6580, 0.3123,
0.3396


239.6144, 0.3125,
0.3348

 27.2720, 0.3122,
0.3410

288.9715, 0.3125,
0.3344

 17.7776, 0.3121,
0.3429

344.6798, 0.3125,
0.3341

 10.7904, 0.3120,
0.3454

407.1237, 0.3125,

 5.9261, 0.3117,

0.3338

0.3492

476.6875, 0.3125,
0.3336

■ 2.8002, 0.3114,
0.3551

■ 1.0283, 0.3107,
0.3661

■ 98.0096, 0.3124,
0.3368

■ 98.0096, 0.3124,
0.3368

■ 92.2612, 0.3113,
0.3639

100.0000, 0.3127,
0.3290

■ 87.3124, 0.3100,
0.3944

■ 83.1312, 0.3086,
0.4281

■ 79.6790, 0.3070,
0.4638

■ 76.9141, 0.3053,
0.4999

■ 74.7906, 0.3037,
0.5338

■ 73.2570, 0.3023,
0.5625

■ 72.2537, 0.3011,
0.5836

■ 71.7089, 0.3004,
0.5959

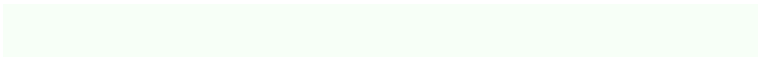
Harmonies

Analogous

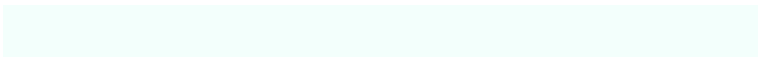
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.0096, 0.3178, 0.3384



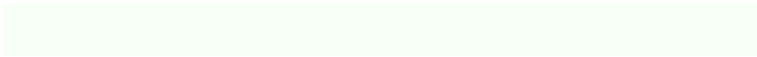
98.0096, 0.3124, 0.3368



98.0096, 0.3072, 0.3330

Triad

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



98.0096, 0.3124, 0.3368



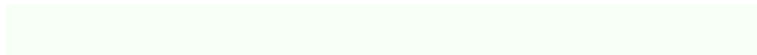
98.0096, 0.3037, 0.3205



98.0096, 0.3221, 0.3297

Complementary

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



98.0096, 0.3124, 0.3368



94.9584, 0.3130, 0.3213

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.



98.0096, 0.3183, 0.3251



98.0096, 0.3124, 0.3368



98.0096, 0.3077, 0.3198

Square

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



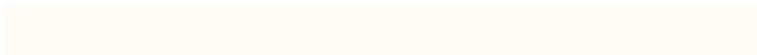
98.0096, 0.3124, 0.3368



98.0096, 0.3022, 0.3236



98.0096, 0.3130, 0.3214



98.0096, 0.3234, 0.3343

Rectangle

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



98.0096, 0.3124, 0.3368



98.0096, 0.3045, 0.3298



98.0096, 0.3130, 0.3214



98.0096, 0.3211, 0.3281

Sweetspot

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



98.0131, 0.3124, 0.3368



99.3612, 0.3126, 0.3314



99.4071, 0.3174, 0.3366



21.2741, 0.3126, 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.



98.0131, 0.3124, 0.3368



97.4952, 0.3123, 0.3390



98.2410, 0.3101, 0.3330



20.7704, 0.3122, 0.3409



37.3831, 0.3002, 0.5998



3.6428, 0.3007, 0.5994

Inverse Universe

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



94.9584, 0.3130, 0.3213



93.6445, 0.3131, 0.3192



94.7257, 0.3154, 0.3250



19.7961, 0.3132, 0.3174



14.6345, 0.3184, 0.1528



1.4278, 0.3187, 0.1529

Previews

White Background



This preview shows how the Yxy color 98.0096, 0.3124, 0.3368 looks on a white background.

Color Contrast Check

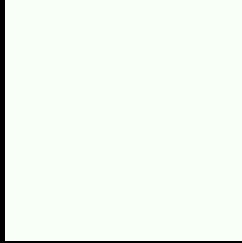
Large Text (above 18pt) WCAG AA × Fail

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 98.0096, 0.3124, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

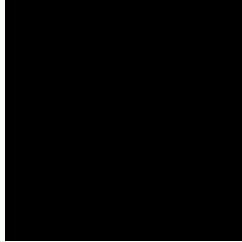
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.0096, 0.3124, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 98.0096, 0.3124, 0.3368.



This preview shows how white text looks on a background with the Yxy color 98.0096, 0.3124, 0.3368.

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

98.0096, 0.3124, 0.3368



Protanopia

97.7829, 0.3158, 0.3309

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

98.1660, 0.3109, 0.3271

Trichromacy



Original Color

98.0096, 0.3124, 0.3368

Protanomaly

97.7856, 0.3144, 0.3328

Deuteranomaly

97.8481, 0.3138, 0.3319

Tritanomaly

98.2359, 0.3114, 0.3309

Monochromacy



Original Color

98.0096, 0.3124, 0.3368



Achromatopsia

97.3445, 0.3127, 0.3290

Achromatomaly

97.4767, 0.3126, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.0096, 0.3124, 0.3368 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(247, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 247)  
}
```

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(247, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 98.0096, 0.3124, 0.3368 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(247, 255, 247) }
```

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

```
.border{ border-color:rgb(247, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(247, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 98.0096, 0.3124, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 247) }
```

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

```
.background{ background-color: rgb(247,  
255, 247) }
```

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