

Converting Colors

$Y_{xy}(100.0000, 0.3239, 0.3398)$

Have a look what the booklet for
Yxy(100.0000, 0.3239, 0.3398)
contains.

Yxy(98.6147, 0.3198, 0.3396)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(98.6147, 0.3198, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEF3
RGB	255, 254, 243
RGB Percent	100%, 100%, 95%
CMY	0.0000, 0.0039, 0.0472
CMYK	0.00, 0.00, 0.05, 0.00
HSL	55°, 100%, 98%
HSV	55°, 5%, 100%
XYZ	92.8651, 98.6147, 98.9051
YIQ	253.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

Format	Color
RYB	244, 255, 243
Decimal	16776947
CIELab	99.46, -1.54, 5.38
CIELCh	99, 5.593, 105.940
Yxy	98.6147, 0.3198, 0.3396
Android (android.graphics.Color)	4294967027 (0xFFFFFEF3)
YUV	253.0450, -4.9522, 1.7145
Hunter-Lab	99.3049, -6.8592, 10.4622

Details

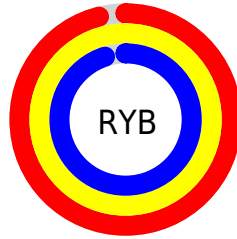
The Yxy color 98.6147, 0.3198, 0.3396 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.9498, 0.3055, 0.3182, and the grayscale version is 98.3005, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.5261, 0.3209, 0.3412 is the 20% darker color. If you saturate the color by 10%, you get 95.8376, 0.3353, 0.3627, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



- Red (100%)
- Green (100%)
- Blue (95%)



- Red (96%)
- Yellow (100%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 98.6147, 0.3198, 0.3396 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 98.6147, 0.3198, 0.3396 by changing the saturation by 10% instead.

 98.6147, 0.3198,
0.3396

 98.6147, 0.3198,
0.3396


555.6735, 0.3167,
0.3350

 75.1471, 0.3205,
0.3406


159.2491, 0.3188,
0.3380

 55.7334, 0.3213,
0.3418


197.1848, 0.3183,
0.3374

 39.9892, 0.3223,
0.3433


240.7119, 0.3180,
0.3369

 27.5301, 0.3235,
0.3453

290.2149, 0.3177,
0.3364

 17.9718, 0.3252,
0.3478

346.0782, 0.3174,
0.3360

 10.9297, 0.3274,
0.3512

408.6861, 0.3171,

 6.0196, 0.3306,

0.3356

0.3561

478.4231, 0.3169,
0.3353

■ 2.8570, 0.3355,
0.3639

■ 1.0575, 0.3459,
0.3796

■ 98.6147, 0.3198,
0.3396

■ 98.6147, 0.3198,
0.3396

■ 95.8376, 0.3353,
0.3627

100.0000, 0.3127,
0.3290

■ 93.2835, 0.3514,
0.3862

■ 90.9401, 0.3675,
0.4094

■ 88.7971, 0.3831,
0.4314

■ 86.8436, 0.3976,
0.4512

■ 85.0674, 0.4104,
0.4678

■ 83.4546, 0.4207,
0.4804

■ 81.9893, 0.4284,
0.4885

■ 80.6518, 0.4332,
0.4922

Harmonies

Analogous

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



98.6147, 0.3237, 0.3378



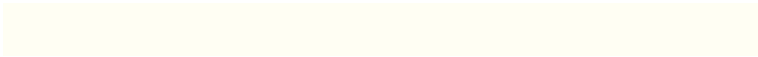
98.6147, 0.3198, 0.3396



98.6147, 0.3140, 0.3385

Triad

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



98.6147, 0.3198, 0.3396



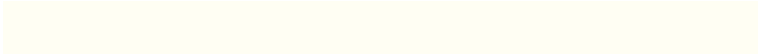
98.6147, 0.3010, 0.3242



98.6147, 0.3174, 0.3233

Complementary

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



98.6147, 0.3198, 0.3396



90.9498, 0.3055, 0.3182

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.



98.6147, 0.3113, 0.3197



98.6147, 0.3198, 0.3396



98.6147, 0.3019, 0.3202

Square

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



98.6147, 0.3198, 0.3396



98.6147, 0.3032, 0.3296



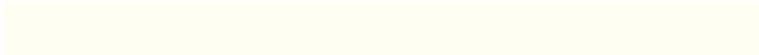
98.6147, 0.3056, 0.3186



98.6147, 0.3223, 0.3284

Rectangle

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



98.6147, 0.3198, 0.3396



98.6147, 0.3099, 0.3363



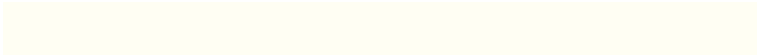
98.6147, 0.3056, 0.3186



98.6147, 0.3155, 0.3219

Sweetspot

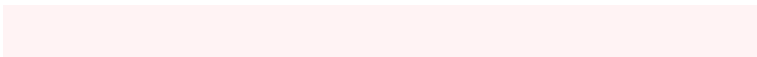
The Sweet Spot groups the original color and five complimentary colors.



98.6118, 0.3198, 0.3396



99.7015, 0.3142, 0.3312



91.8701, 0.3200, 0.3281



21.3434, 0.3141, 0.3311



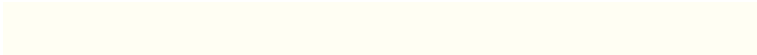
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



98.6118, 0.3198, 0.3396



98.2439, 0.3217, 0.3425



98.3103, 0.3165, 0.3407



20.9884, 0.3227, 0.3440



41.9003, 0.4347, 0.4930



4.1529, 0.4328, 0.4946

Inverse Universe

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



90.9498, 0.3055, 0.3182



88.5874, 0.3035, 0.3151



91.2531, 0.3088, 0.3173



18.7067, 0.3025, 0.3135



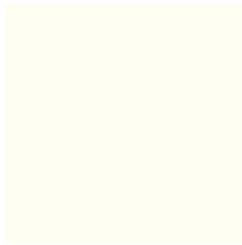
4.1406, 0.1515, 0.0652



0.4825, 0.1546, 0.0764

Previews

White Background



This preview shows how the Yxy color 98.6147, 0.3198, 0.3396 looks on a white background.

Color Contrast Check

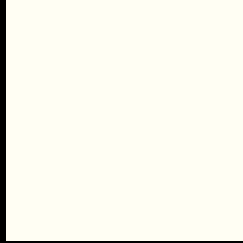
Large Text (above 18pt) WCAG AA × Fail

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 98.6147, 0.3198, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

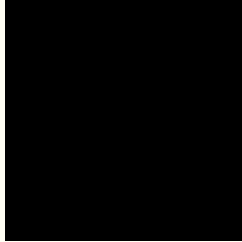
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.6147, 0.3198, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 98.6147, 0.3198, 0.3396.



This preview shows how white text looks on a background with the Yxy color 98.6147, 0.3198, 0.3396.

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

98.6147, 0.3198, 0.3396



Protanopia

98.4756, 0.3151, 0.3309



Deuteranopia

98.6024, 0.3140, 0.3290

Tritanopia

98.5414, 0.3122, 0.3271

Trichromacy

Original Color

98.6147, 0.3198, 0.3396

Protanomaly

98.2879, 0.3169, 0.3338

Deuteranomaly

98.3501, 0.3163, 0.3328

Tritanomaly

98.2864, 0.3145, 0.3309

Monochromacy

Original Color

98.6147, 0.3198, 0.3396

Achromatopsia

98.2251, 0.3127, 0.3290

Achromatomaly

98.1609, 0.3157, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.6147, 0.3198, 0.3396 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(255, 254, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 243)  
}
```

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(255, 254, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 243) }
```

Border

The CSS property to change the border of an element to Yxy 98.6147, 0.3198, 0.3396 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(255, 254, 243) }
```

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

```
.border{ border-color:rgb(255, 254, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 98.6147, 0.3198, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 243) }
```

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

```
.background{ background-color: rgb(255,  
254, 243) }
```

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