

# Converting Colors

$Yxy(98.7024, 0.3138, 0.3304)$

Have a look what the booklet for  
Yxy(98.7024, 0.3138, 0.3304)  
contains.

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# **Color**

**Yxy(98.9827, 0.3139, 0.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFEFC
RGB	254, 254, 252
RGB Percent	100%, 100%, 99%
CMY	0.0037, 0.0039, 0.0118
CMYK	0.00, 0.00, 0.01, 0.00
HSL	58°, 52%, 99%
HSV	58°, 1%, 100%
XYZ	93.8975, 98.9827, 106.2516
YIQ	253.7720, 0.6420, -0.6220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 254, 252
Decimal	16711420
CIE Lab	99.61, -0.32, 0.94
CIE LCh	100, 0.997, 108.873
Yxy	98.9827, 0.3139, 0.3309
Android (android.graphics.Color)	4294901500 (0xFFFEFEFC)
YUV	253.7720, -0.8736, 0.2000
Hunter-Lab	99.4900, -5.6415, 6.3236

# Details

The Yxy color 98.9827, 0.3139, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.5091, 0.3115, 0.3271, and the grayscale version is 98.9237, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.7430, 0.3142, 0.3314 is the 20% darker color. If you saturate the color by 10%, you get 97.0663, 0.3290, 0.3551, and if you desaturate by 10%, it is 99.5962, 0.3121, 0.3287.

# Distribution



- Red (100%)
- Green (100%)
- Blue (99%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.9827, 0.3139, 0.3309 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 98.9827, 0.3139, 0.3309 by changing the saturation by 10% instead.



98.9827, 0.3139,  
0.3309

98.9827, 0.3139,  
0.3309

556.8381, 0.3134,  
0.3301

75.4542, 0.3140,  
0.3311

159.7556, 0.3137,  
0.3306

55.9850, 0.3141,  
0.3313

197.7687, 0.3137,  
0.3305

40.1909, 0.3143,  
0.3316

241.3788, 0.3136,  
0.3304

27.6874, 0.3145,  
0.3319

290.9704, 0.3135,  
0.3303

18.0902, 0.3148,  
0.3323

346.9276, 0.3135,  
0.3303

11.0148, 0.3152,  
0.3329

409.6351, 0.3135,

6.0768, 0.3157,

0.3302

0.3338

479.4771, 0.3134,  
0.3301

■ 2.8918, 0.3165,  
0.3351

■ 1.0755, 0.3180,  
0.3375

■ 98.9827, 0.3139,  
0.3309

98.9827, 0.3139,  
0.3309

■ 97.0663, 0.3290,  
0.3551

99.5962, 0.3121,  
0.3287

■ 95.3539, 0.3445,  
0.3798

99.8195, 0.3121,  
0.3290

■ 93.8407, 0.3600,  
0.4044

■ 92.5171, 0.3749,  
0.4280

■ 91.3724, 0.3887,  
0.4496

■ 90.3952, 0.4007,  
0.4682

■ 89.5724, 0.4104,  
0.4829

■ 88.8894, 0.4175,  
0.4933

■ 88.3282, 0.4219,  
0.4993

# Harmonies

## Analogous

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

98.9827, 0.3146, 0.3306

98.9827, 0.3139, 0.3309

98.9827, 0.3129, 0.3307

# Triad

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

98.9827, 0.3139, 0.3309

98.9827, 0.3106, 0.3281

98.9827, 0.3137, 0.3281

# Complementary

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



98.9827, 0.3139, 0.3309



97.5091, 0.3115, 0.3271

# 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.

98.9827, 0.3126, 0.3274

98.9827, 0.3139, 0.3309

98.9827, 0.3108, 0.3274

# Square

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



98.9827, 0.3139, 0.3309



98.9827, 0.3110, 0.3290



98.9827, 0.3116, 0.3272



98.9827, 0.3145, 0.3290



# Rectangle

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



98.9827, 0.3139, 0.3309



98.9827, 0.3121, 0.3302



98.9827, 0.3116, 0.3272



98.9827, 0.3133, 0.3278

# Sweetspot

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



98.9870, 0.3139, 0.3309

100.0000, 0.3127, 0.3290



97.7337, 0.3140, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



98.9870, 0.3139, 0.3309



99.7948, 0.3142, 0.3314



98.8409, 0.3133, 0.3310



21.3624, 0.3141, 0.3312



46.3557, 0.4239, 0.5016



4.5380, 0.4233, 0.5021



# Inverse Universe

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



97.5091, 0.3115, 0.3271



97.9449, 0.3112, 0.3266



97.6545, 0.3121, 0.3270



20.9859, 0.3113, 0.3267



3.8799, 0.1504, 0.0615



0.4031, 0.1515, 0.0652



# Previews

## White Background



This preview shows how the hex color #009627, (0, 150, 39) looks on a white background.

## Color Contrast Check

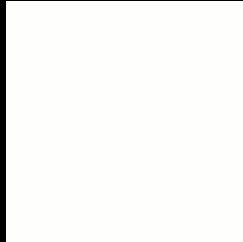
Large Text (above 18pt) WCAG AA × Fail

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 98.9827, 0.3139, 0.3309 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

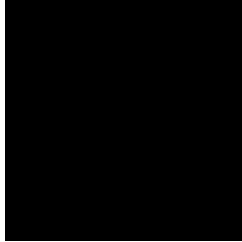
Any Text WCAG AAA ✓ Pass

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



**Yxy 98.9827, 0.3139, 0.3309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.9827, 0.3139, 0.3309.

# 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

98.9827, 0.3139, 0.3309

### Protanopia

99.2355, 0.3139, 0.3300

### Deuteranopia

99.2994, 0.3133, 0.3290

## Tritanopia

99.1745, 0.3121, 0.3280

# Trichromacy

## Original Color

98.9827, 0.3139, 0.3309

## Protanomaly

99.2355, 0.3139, 0.3300

## Deuteranomaly

99.2355, 0.3139, 0.3300

## Tritanomaly

99.1102, 0.3127, 0.3290

# Monochromacy

## Original Color

98.9827, 0.3139, 0.3309

## Achromatopsia

99.1102, 0.3127, 0.3290

## Achromatomaly

99.0463, 0.3133, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.9827, 0.3139, 0.3309 is called "color". The color property can be set on classes, ids or directly on the HTML element.

The following shows how text is colored with the color property:

```
.text, #text, p{  
    color:rgb(254, 254, 252)  
}
```

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(254, 254, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 98.9827, 0.3139, 0.3309 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(254, 254, 252) }
```

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

```
.border{ border-color:rgb(254, 254, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 254, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 252);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
252) }
```

# Background

The CSS property to change the background color of an element to Yxy 98.9827, 0.3139, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 252) }
```

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

```
.background{ background-color: rgb(254,  
254, 252) }
```

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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