

# Converting Colors

$Y_{xy}(100.0000, 0.3105, 0.3332)$

Have a look what the booklet for  
Yxy(100.0000, 0.3105, 0.3332)  
contains.

<b>Yxy(98.7516, 0.3102, 0.3309)</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(98.7516, 0.3102, 0.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FFFD
RGB	249, 255, 253
RGB Percent	98%, 100%, 99%
CMY	0.0233, 0.0001, 0.0078
CMYK	0.02, 0.00, 0.01, 0.00
HSL	160°, 100%, 99%
HSV	160°, 2%, 100%
XYZ	92.5740, 98.7516, 107.1077
YIQ	252.9780, -2.9340, -1.8940

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 253, 255
Decimal	16383997
CIE <sub>Lab</sub>	99.52, -2.29, 0.26
CIE <sub>LCh</sub>	100, 2.300, 173.579
Yxy	98.7516, 0.3102, 0.3309
Android (android.graphics.Color)	4294574077 (0xFFFF9FFFD)
YUV	252.9780, 0.0108, -3.4887
Hunter-Lab	99.3738, -7.6184, 5.6574

# Details

The Yxy color 98.7516, 0.3102, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.0203, 0.3153, 0.3271, and the grayscale version is 98.2188, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.7111, 0.3103, 0.3314 is the 20% darker color. If you saturate the color by 10%, you get 93.8483, 0.2995, 0.3397, and if you desaturate by 10%, it is 99.9916, 0.3127, 0.3290.

# Distribution



- Red (98%)
- Green (100%)
- Blue (99%)



- Red (98%)
- Yellow (99%)
- Blue (100%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.7516, 0.3102, 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 98.7516, 0.3102, 0.3309 by changing the saturation by 10% instead.



 98.7516, 0.3102,  
0.3309

 98.7516, 0.3102,  
0.3309

556.1069, 0.3113,  
0.3301

 75.2613, 0.3100,  
0.3311

159.4376, 0.3106,  
0.3306

 55.8270, 0.3097,  
0.3313


197.4021, 0.3107,  
0.3305

 40.0642, 0.3093,  
0.3316


240.9601, 0.3109,  
0.3304

 27.5886, 0.3089,  
0.3319

290.4960, 0.3110,  
0.3303

 18.0158, 0.3083,  
0.3323

346.3943, 0.3111,  
0.3303

 10.9613, 0.3075,  
0.3329

409.0392, 0.3112,

 6.0408, 0.3063,

0.3302

0.3338

478.8153, 0.3112,  
0.3301

■ 2.8699, 0.3045,  
0.3352

■ 1.0642, 0.3013,  
0.3376

■ 98.7516, 0.3102,  
0.3309

■ 98.7516, 0.3102,  
0.3309


■ 93.8483, 0.2995,  
0.3397


99.9916, 0.3127,  
0.3290

■ 89.5754, 0.2893,  
0.3494


■ 85.9098, 0.2799,  
0.3600


■ 82.8219, 0.2715,  
0.3714

 80.2797, 0.2646,  
0.3835

 78.2478, 0.2593,  
0.3962

 76.6870, 0.2559,  
0.4092

 75.5515, 0.2546,  
0.4224

 74.7865, 0.2553,  
0.4353

# Harmonies

## Analogous

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

98.7516, 0.3126, 0.3326

98.7516, 0.3102, 0.3309

98.7516, 0.3085, 0.3287

# Triad

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



98.7516, 0.3102, 0.3309



98.7516, 0.3104, 0.3247



98.7516, 0.3176, 0.3314

# Complementary

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



98.7516, 0.3102, 0.3309



96.0203, 0.3153, 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.



98.7516, 0.3170, 0.3293



98.7516, 0.3102, 0.3309



98.7516, 0.3128, 0.3255

# Square

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



98.7516, 0.3102, 0.3309



98.7516, 0.3085, 0.3251



98.7516, 0.3153, 0.3272



98.7516, 0.3169, 0.3329



# Rectangle

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



98.7516, 0.3102, 0.3309



98.7516, 0.3079, 0.3272



98.7516, 0.3153, 0.3272



98.7516, 0.3176, 0.3308

# Sweetspot

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



98.7558, 0.3102, 0.3309



99.4645, 0.3116, 0.3298



98.8908, 0.3137, 0.3347



21.2951, 0.3117, 0.3298



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.



98.7558, 0.3102, 0.3309



98.4134, 0.3095, 0.3315



98.3182, 0.3091, 0.3281



20.9759, 0.3086, 0.3321



38.9030, 0.2564, 0.4430



3.8082, 0.2523, 0.4284



# Inverse Universe

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



96.0203, 0.3153, 0.3271



94.8929, 0.3161, 0.3265



96.4458, 0.3164, 0.3299



20.0261, 0.3170, 0.3259



11.4819, 0.5637, 0.2879



1.1373, 0.5319, 0.2704



# Previews

## White Background



This preview shows how the Yxy color 98.7516, 0.3102, 0.3309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

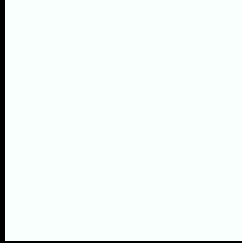
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.7516, 0.3102, 0.3309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

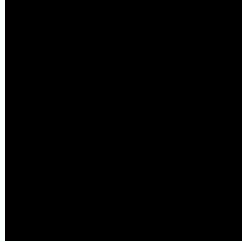
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.7516, 0.3102, 0.3309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.7516, 0.3102, 0.3309.



This preview shows how white text looks on a background with the Yxy color 98.7516, 0.3102, 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

98.7516, 0.3102, 0.3309

### Protanopia

98.6024, 0.3140, 0.3290

### Deuteranopia

98.6663, 0.3134, 0.3281

## **Tritanopia**

98.3532, 0.3116, 0.3271

# Trichromacy

## Original Color

98.7516, 0.3102, 0.3309

## Protanomaly

98.8581, 0.3127, 0.3300

## Deuteranomaly

98.9220, 0.3121, 0.3290

## Tritanomaly

98.7348, 0.3115, 0.3290

# Monochromacy

## Original Color

98.7516, 0.3102, 0.3309

## Achromatopsia

98.2251, 0.3127, 0.3290

## Achromatomaly

98.6709, 0.3121, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.7516, 0.3102, 0.3309 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(249, 255, 253) looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 253)  
}
```

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(249, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 98.7516, 0.3102, 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(249, 255, 253) }
```

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

```
.border{ border-color:rgb(249, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.7516, 0.3102, 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(249, 255, 253) }
```

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

```
.background{ background-color: rgb(249,  
255, 253) }
```

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