

# Converting Colors

$Y_{xy}(95.7971, 0.3138, 0.3298)$

Have a look what the booklet for  
Yxy(95.7971, 0.3138, 0.3298)  
contains.

<b>Yxy(95.7200, 0.3139, 0.3300)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Yxy(95.7200, 0.3139, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFAF9
RGB	251, 250, 249
RGB Percent	98%, 98%, 98%
CMY	0.0159, 0.0195, 0.0236
CMYK	0.00, 0.00, 0.01, 0.02
HSL	32°, 19%, 98%
HSV	32°, 1%, 98%
XYZ	91.0500, 95.7200, 103.2906
YIQ	250.1850, 0.9170, -0.0990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 251, 249
Decimal	16513785
CIE Lab	98.32, 0.13, 0.59
CIE LCh	98, 0.603, 77.728
Yxy	95.7200, 0.3139, 0.3300
Android (android.graphics.Color)	4294703865 (0xFFFBFAF9)
YUV	250.1850, -0.5842, 0.7148
Hunter-Lab	97.8366, -5.0960, 5.8904

# Details

The Yxy color 95.7200, 0.3139, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.4108, 0.3115, 0.3280, and the grayscale version is 95.7589, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0359, 0.3143, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 87.1770, 0.3303, 0.3434, and if you desaturate by 10%, it is 99.2379, 0.3102, 0.3290.

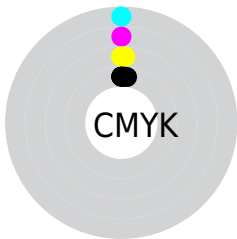
# Distribution



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



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.7200, 0.3139, 0.3300 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 95.7200, 0.3139, 0.3300 by changing the saturation by 10% instead.



 95.7200, 0.3139,  
0.3300

 95.7200, 0.3139,  
0.3300


546.4674, 0.3134,  
0.3296

 72.7344, 0.3140,  
0.3301


155.2589, 0.3137,  
0.3299

 53.7588, 0.3141,  
0.3302


192.5810, 0.3137,  
0.3298

 38.4089, 0.3143,  
0.3303


235.4508, 0.3136,  
0.3297

 26.3002, 0.3145,  
0.3305

284.2525, 0.3135,  
0.3297

 17.0483, 0.3148,  
0.3308

339.3706, 0.3135,  
0.3297

 10.2690, 0.3152,  
0.3311

401.1896, 0.3135,

 5.5776, 0.3158,

0.3296

0.3315

470.0937, 0.3134,  
0.3296

■ 2.5900, 0.3166,  
0.3323

■ 0.9216, 0.3183,  
0.3336

■ 95.7200, 0.3139,  
0.3300

■ 95.7200, 0.3139,  
0.3300

■ 87.1770, 0.3303,  
0.3434

■ 99.2379, 0.3102,  
0.3290

■ 79.2784, 0.3489,  
0.3574

■ 72.0112, 0.3698,  
0.3719

■ 65.3571, 0.3930,  
0.3862

■ 59.2970, 0.4180,  
0.3995

■ 53.8105, 0.4443,  
0.4108

■ 48.8752, 0.4706,  
0.4188

■ 44.4669, 0.4955,  
0.4223

■ 40.5580, 0.5173,  
0.4203

# Harmonies

## Analogous

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



95.7200, 0.3140, 0.3296



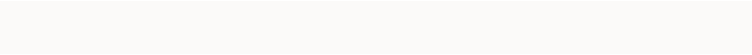
95.7200, 0.3139, 0.3300



95.7200, 0.3135, 0.3302

# Triad

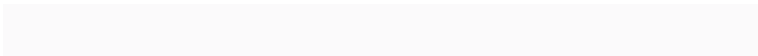
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7200, 0.3139, 0.3300



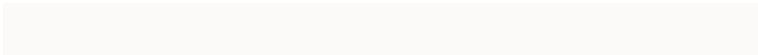
95.7200, 0.3117, 0.3291



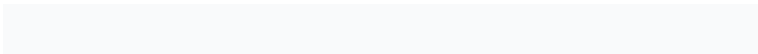
95.7200, 0.3126, 0.3280

# Complementary

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



95.7200, 0.3139, 0.3300



95.4108, 0.3115, 0.3280

# 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.



95.7200, 0.3120, 0.3279



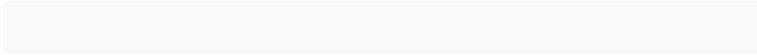
95.7200, 0.3139, 0.3300



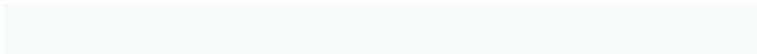
95.7200, 0.3114, 0.3285

# Square

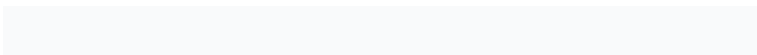
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



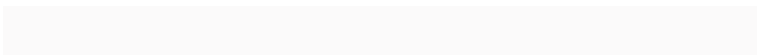
95.7200, 0.3139, 0.3300



95.7200, 0.3122, 0.3296



95.7200, 0.3116, 0.3280

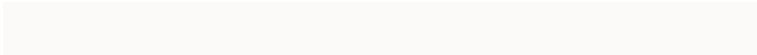


95.7200, 0.3133, 0.3284

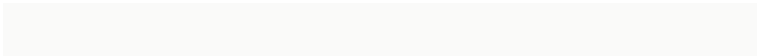


# Rectangle

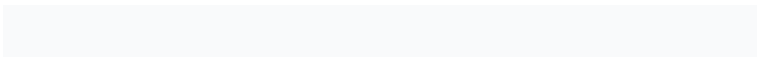
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



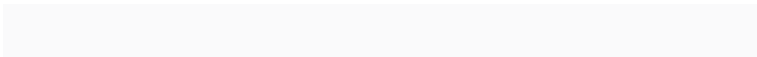
95.7200, 0.3139, 0.3300



95.7200, 0.3131, 0.3301



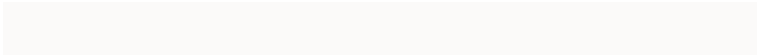
95.7200, 0.3116, 0.3280



95.7200, 0.3124, 0.3279

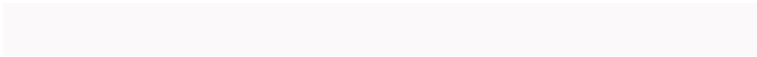
# Sweetspot

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



95.7241, 0.3139, 0.3300

100.0000, 0.3127, 0.3290



95.1415, 0.3134, 0.3281



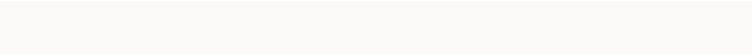
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

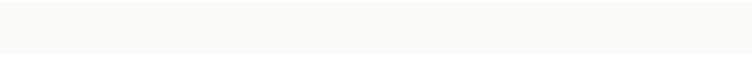
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7241, 0.3139, 0.3300



99.0766, 0.3142, 0.3303



96.2870, 0.3138, 0.3309



20.3107, 0.3142, 0.3302



19.9435, 0.5317, 0.4160

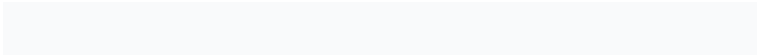


2.0594, 0.5146, 0.4296



# Inverse Universe

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



95.4108, 0.3115, 0.3280



98.6582, 0.3112, 0.3277



94.8509, 0.3116, 0.3271



20.2293, 0.3113, 0.3278



10.7141, 0.1742, 0.1472

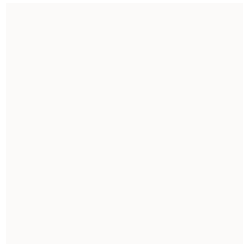


1.2025, 0.1805, 0.1696



# Previews

## White Background



This preview shows how the Yxy color 95.7200, 0.3139, 0.3300 looks on a white background.

## Color Contrast Check

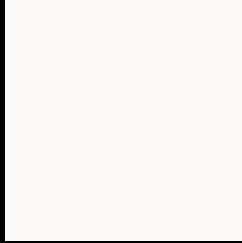
Large Text (above 18pt) WCAG AA × Fail

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 95.7200, 0.3139, 0.3300 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

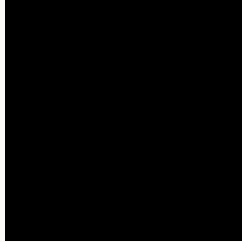
Any Text WCAG AAA ✓ Pass

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

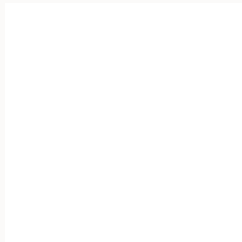


**Yxy 95.7200, 0.3139, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.7200, 0.3139, 0.3300.



This preview shows how white text looks on a background with the Yxy color 95.7200, 0.3139, 0.3300.

# 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**

95.7200, 0.3139, 0.3300

**Protanopia**

95.7887, 0.3171, 0.3300

**Deuteranopia**

95.9135, 0.3159, 0.3281

## **Tritanopia**

95.4806, 0.3105, 0.3232

# Trichromacy

## Original Color

95.7200, 0.3139, 0.3300

## Protanomaly

95.5995, 0.3165, 0.3300

## Deuteranomaly

95.7243, 0.3153, 0.3280

## Tritanomaly

95.3524, 0.3116, 0.3251

# Monochromacy

## Original Color

95.7200, 0.3139, 0.3300

## Achromatopsia

95.5973, 0.3127, 0.3290

## Achromatomaly

95.5973, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.7200, 0.3139, 0.3300 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(251, 250, 249)` looks like.

```
.text, #text, p{  
    color:rgb(251, 250, 249)  
}
```

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(251, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 250, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 95.7200, 0.3139, 0.3300 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(251, 250, 249) }
```

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

```
.border{ border-color:rgb(251, 250, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 250, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(251, 250,  
249) }
```

# Background

The CSS property to change the background color of an element to Yxy 95.7200, 0.3139, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 250, 249) }
```

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

```
.background{ background-color: rgb(251,  
250, 249) }
```

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