

# Converting Colors

$Y_{xy}(170.3355, 0.2597, 0.2955)$

Have a look what the booklet for  
Yxy(170.3355, 0.2597, 0.2955)  
contains.

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# **Color**

**Yxy(99.0640, 0.3096, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFFFF
RGB	250, 255, 255
RGB Percent	98%, 100%, 100%
CMY	0.0198, 0.0000, 0.0000
CMYK	0.02, 0.00, 0.00, 0.00
HSL	180°, 100%, 99%
HSV	180°, 2%, 100%
XYZ	93.2225, 99.0640, 108.8198
YIQ	253.5050, -2.9800, -1.0600

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 253, 255
Decimal	16449535
CIE <sub>Lab</sub>	99.64, -1.66, -0.59
CIE <sub>LCh</sub>	100, 1.756, 199.537
Y <sub>xy</sub>	99.0640, 0.3096, 0.3290
Android (android.graphics.Color)	4294639615 (0xFFFAFFFF)
Y <sub>UV</sub>	253.5050, 0.7370, -3.0739
Hunter-Lab	99.5309, -6.9926, 4.8483

# Details

The Yxy color 99.0640, 0.3096, 0.3290 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.5025, 0.3159, 0.3290, and the grayscale version is 98.6551, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.9347, 0.3096, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 94.6601, 0.2943, 0.3289, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 99.0640, 0.3096, 0.3290 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 99.0640, 0.3096, 0.3290 by changing the saturation by 10% instead.



99.0640, 0.3096,  
0.3290

99.0640, 0.3096,  
0.3290

557.0953, 0.3110,  
0.3290

75.5220, 0.3093,  
0.3290

159.8674, 0.3101,  
0.3290

56.0406, 0.3089,  
0.3290

197.8977, 0.3102,  
0.3290

40.2355, 0.3085,  
0.3290

241.5261, 0.3104,  
0.3290

27.7222, 0.3080,  
0.3290

291.1372, 0.3105,  
0.3290

18.1164, 0.3072,  
0.3290

347.1152, 0.3107,  
0.3290

11.0336, 0.3062,  
0.3290

409.8446, 0.3108,

6.0894, 0.3048,

0.3290

0.3289

479.7099, 0.3109,  
0.3290

■ 2.8995, 0.3026,  
0.3289

■ 1.0795, 0.2987,  
0.3288

■ 99.0640, 0.3096,  
0.3290

■ 99.0640, 0.3096,  
0.3290

■ 94.6601, 0.2943,  
0.3289

100.0000, 0.3127,  
0.3290

■ 90.8760, 0.2800,  
0.3289

■ 87.6762, 0.2669,  
0.3289

■ 85.0317, 0.2553,  
0.3288

■ 82.9109, 0.2455,  
0.3288

■ 81.2789, 0.2376,  
0.3288

■ 80.0969, 0.2317,  
0.3288

■ 79.3198, 0.2277,  
0.3287

■ 78.8935, 0.2255,  
0.3287

# Harmonies

## Analogous

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

99.0640, 0.3110, 0.3307

99.0640, 0.3096, 0.3290

99.0640, 0.3090, 0.3274

# Triad

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



99.0640, 0.3096, 0.3290



99.0640, 0.3125, 0.3262



99.0640, 0.3161, 0.3319

# Complementary

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



99.0640, 0.3096, 0.3290



96.5025, 0.3159, 0.3290

# 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.

99.0640, 0.3165, 0.3307

99.0640, 0.3096, 0.3290

99.0640, 0.3144, 0.3274

# Square

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



99.0640, 0.3096, 0.3290



99.0640, 0.3107, 0.3257



99.0640, 0.3159, 0.3290



99.0640, 0.3148, 0.3323



# Rectangle

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



99.0640, 0.3096, 0.3290



99.0640, 0.3092, 0.3265



99.0640, 0.3159, 0.3290



99.0640, 0.3163, 0.3316

# Sweetspot

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



99.0557, 0.3096, 0.3290



99.5196, 0.3111, 0.3290



98.7350, 0.3125, 0.3339



21.3063, 0.3112, 0.3290



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.



99.0557, 0.3096, 0.3290



99.0455, 0.3096, 0.3290



97.4568, 0.3097, 0.3266



21.2098, 0.3097, 0.3290



41.1433, 0.2247, 0.3287



4.0060, 0.2247, 0.3287



# Inverse Universe

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



96.8232, 0.3129, 0.3242



96.7891, 0.3129, 0.3241



98.0804, 0.3158, 0.3314



20.7505, 0.3129, 0.3244



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the hex color #990640, (0, 3096, 15504) looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

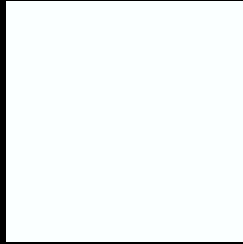
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 99.0640, 0.3096, 0.3290 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 99.0640, 0.3096, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 99.0640, 0.3096, 0.3290.

# 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

99.0640, 0.3096, 0.3290

### Protanopia

99.2994, 0.3133, 0.3290

### Deuteranopia

99.2994, 0.3133, 0.3290

# Tritanopia

99.1745, 0.3121, 0.3280

# Trichromacy

## Original Color

99.0640, 0.3096, 0.3290

## Protanomaly

98.9220, 0.3121, 0.3290

## Deuteranomaly

98.9220, 0.3121, 0.3290

## Tritanomaly

98.9863, 0.3115, 0.3280

# Monochromacy

## Original Color

99.0640, 0.3096, 0.3290

## Achromatopsia

98.2251, 0.3127, 0.3290

## Achromatomaly

98.7348, 0.3115, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 99.0640, 0.3096, 0.3290 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text is the color `rgb(250, 255, 255)` CSS property.

```
.text, #text, p{  
    color:rgb(250, 255, 255)  
}
```

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(250, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 99.0640, 0.3096, 0.3290 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(250, 255, 255) }
```

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

```
.border{ border-color:rgb(250, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 99.0640, 0.3096, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 255) }
```

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

```
.background{ background-color: rgb(250,  
255, 255) }
```

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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