

# Converting Colors

$Y_{xy}(97.7732, 0.3053, 0.3186)$

Have a look what the booklet for  
Yxy(97.7732, 0.3053, 0.3186)  
contains.

<b>Yxy(97.1648, 0.3097, 0.3261)</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(97.1648, 0.3097, 0.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFCFF
RGB	250, 252, 255
RGB Percent	98%, 99%, 100%
CMY	0.0197, 0.0117, 0.0000
CMYK	0.02, 0.01, 0.00, 0.00
HSL	216°, 100%, 99%
HSV	216°, 2%, 100%
XYZ	92.2783, 97.1648, 108.5171
YIQ	251.7440, -2.1550, 0.5090

# Conversions

## Conversions Part 2

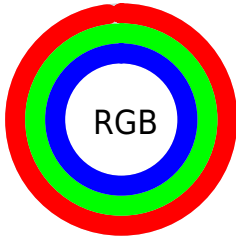
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 251, 255
Decimal	16448767
CIE Lab	98.89, -0.13, -1.68
CIE LCh	99, 1.689, 265.509
Yxy	97.1648, 0.3097, 0.3261
Android (android.graphics.Color)	4294638847 (0xFFFAFCFF)
YUV	251.7440, 1.6052, -1.5295
Hunter-Lab	98.5722, -5.3988, 3.7288

# Details

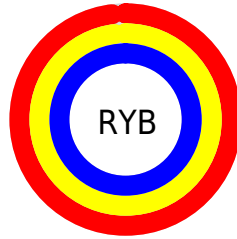
The Yxy color 97.1648, 0.3097, 0.3261 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.3809, 0.3157, 0.3319, and the grayscale version is 97.1061, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5768, 0.3097, 0.3253 is the 20% darker color. If you saturate the color by 10%, you get 83.6440, 0.2939, 0.3105, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

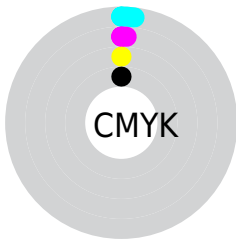
# Distribution



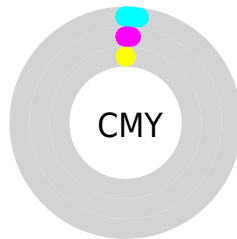
- Red (98%)
- Green (99%)
- Blue (100%)



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



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



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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.1648, 0.3097, 0.3261 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 97.1648, 0.3097, 0.3261 by changing the saturation by 10% instead.



 97.1648, 0.3097,  
0.3261

 97.1648, 0.3097,  
0.3261


551.0724, 0.3110,  
0.3274

 73.9380, 0.3094,  
0.3258


157.2520, 0.3101,  
0.3265

 54.7433, 0.3091,  
0.3255


194.8812, 0.3103,  
0.3267

 39.1963, 0.3086,  
0.3251


238.0801, 0.3105,  
0.3269

 26.9124, 0.3081,  
0.3245

287.2329, 0.3106,  
0.3270

 17.5075, 0.3074,  
0.3238

342.7242, 0.3107,  
0.3271

 10.5970, 0.3064,  
0.3229

404.9383, 0.3108,

 5.7965, 0.3050,

0.3272

0.3215

474.2595, 0.3109,  
0.3273

■ 2.7218, 0.3028,  
0.3194

■ 0.9883, 0.2988,  
0.3156

■ 97.1648, 0.3097,  
0.3261

■ 97.1648, 0.3097,  
0.3261

■ 83.6440, 0.2939,  
0.3105

100.0000, 0.3127,  
0.3290

■ 71.4710, 0.2773,  
0.2930

■ 60.6032, 0.2601,  
0.2736

■ 50.9927, 0.2427,  
0.2526

■ 42.5881, 0.2257,  
0.2303

■ 35.3341, 0.2096,  
0.2071

■ 29.1702, 0.1951,  
0.1837

■ 24.0287, 0.1830,  
0.1611

■ 19.8314, 0.1736,  
0.1401

# Harmonies

## Analogous

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



97.1648, 0.3091, 0.3271



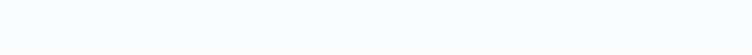
97.1648, 0.3097, 0.3261



97.1648, 0.3111, 0.3259

# Triad

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



97.1648, 0.3097, 0.3261



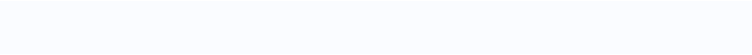
97.1648, 0.3160, 0.3294



97.1648, 0.3125, 0.3316

# Complementary

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



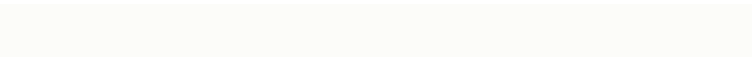
97.1648, 0.3097, 0.3261



98.3809, 0.3157, 0.3319

# Split Complementary

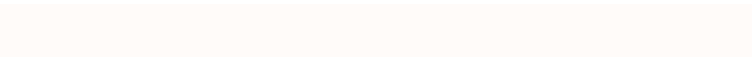
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1648, 0.3144, 0.3322



97.1648, 0.3097, 0.3261



97.1648, 0.3163, 0.3309

# Square

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



97.1648, 0.3097, 0.3261



97.1648, 0.3147, 0.3277



97.1648, 0.3158, 0.3319



97.1648, 0.3108, 0.3303



# Rectangle

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



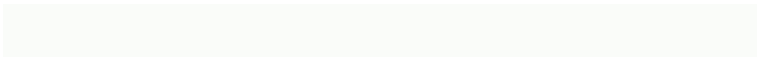
97.1648, 0.3097, 0.3261



97.1648, 0.3123, 0.3262



97.1648, 0.3158, 0.3319



97.1648, 0.3132, 0.3319

# Sweetspot

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



97.1675, 0.3097, 0.3261



98.5581, 0.3112, 0.3276



98.9235, 0.3108, 0.3310



21.1107, 0.3113, 0.3276



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.



97.1675, 0.3097, 0.3261



97.1302, 0.3097, 0.3261




95.9661, 0.3100, 0.3242



20.8200, 0.3098, 0.3262



9.1910, 0.1689, 0.1278



1.1030, 0.1750, 0.1501



# Inverse Universe

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



96.6398, 0.3147, 0.3271



96.5957, 0.3147, 0.3270



99.6006, 0.3154, 0.3338



20.7111, 0.3146, 0.3271



11.6558, 0.5357, 0.2724



1.1559, 0.5058, 0.2560



# Previews

## White Background



This preview shows how the Yxy color 97.1648, 0.3097, 0.3261 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 97.1648, 0.3097, 0.3261 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 97.1648, 0.3097, 0.3261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.1648, 0.3097, 0.3261.



This preview shows how white text looks on a background with the Yxy color 97.1648, 0.3097, 0.3261.

# 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

97.1648, 0.3097, 0.3261

### Protanopia

97.4101, 0.3135, 0.3261

### Deuteranopia

97.2826, 0.3146, 0.3281

## Tritanopia

96.9098, 0.3110, 0.3252

# Trichromacy

## Original Color

97.1648, 0.3097, 0.3261

## Protanomaly

97.0328, 0.3122, 0.3261

## Deuteranomaly

96.9689, 0.3128, 0.3271

## Tritanomaly

96.7236, 0.3104, 0.3252

# Monochromacy

## Original Color

97.1648, 0.3097, 0.3261

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.2219, 0.3115, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.1648, 0.3097, 0.3261 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(250, 252, 255) looks like.

```
.text, #text, p{  
    color:rgb(250, 252, 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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 97.1648, 0.3097, 0.3261 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, 252, 255) }
```

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

```
.border{ border-color:rgb(250, 252, 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, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.1648, 0.3097, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 252, 255) }
```

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

```
.background{ background-color: rgb(250,  
252, 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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