

# Converting Colors

$Yxy(97.3007, 0.3048, 0.3303)$

Have a look what the booklet for  
Yxy(97.3007, 0.3048, 0.3303)  
contains.

<b>Yxy(97.3765, 0.3047, 0.3300)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(97.3765, 0.3047, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFFE
RGB	241, 255, 254
RGB Percent	95%, 100%, 100%
CMY	0.0550, 0.0000, 0.0041
CMYK	0.06, 0.00, 0.00, 0.00
HSL	176°, 100%, 97%
HSV	176°, 6%, 100%
XYZ	89.9110, 97.3765, 107.7928
YIQ	250.7000, -8.0230, -3.2790

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 248, 255
Decimal	15859710
CIE Lab	98.98, -4.76, -1.09
CIE LCh	99, 4.886, 192.947
Yxy	97.3765, 0.3047, 0.3300
Android (android.graphics.Color)	4294049790 (0xFF1FFFE)
YUV	250.7000, 1.6269, -8.5069
Hunter-Lab	98.6795, -10.0505, 4.3101

# Details

The Yxy color 97.3765, 0.3047, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.5603, 0.3213, 0.3280, and the grayscale version is 96.1855, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7337, 0.3033, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 93.0714, 0.2907, 0.3319, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (95%)
- Green (100%)
- Blue (100%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.3765, 0.3047, 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 97.3765, 0.3047, 0.3300 by changing the saturation by 10% instead.




 97.3765, 0.3047,  
0.3300

 97.3765, 0.3047,  
0.3300


551.7454, 0.3082,  
0.3296

 74.1145, 0.3039,  
0.3301

157.5438, 0.3059,  
0.3299

 54.8878, 0.3030,  
0.3302


195.2179, 0.3064,  
0.3298

 39.3119, 0.3019,  
0.3303

238.4648, 0.3068,  
0.3298

 27.0024, 0.3004,  
0.3305

287.6689, 0.3071,  
0.3297

 17.5750, 0.2986,  
0.3307

343.2146, 0.3074,  
0.3297

 10.6453, 0.2960,  
0.3310

405.4864, 0.3077,

 5.8289, 0.2923,

0.3296

0.3314

474.8685, 0.3080,  
0.3296

■ 2.7413, 0.2866,  
0.3320

■ 0.9982, 0.2762,  
0.3329

■ 97.3765, 0.3047,  
0.3300

■ 97.3765, 0.3047,  
0.3300

■ 93.0714, 0.2907,  
0.3319

100.0000, 0.3127,  
0.3290

■ 89.3779, 0.2776,  
0.3340

■ 86.2600, 0.2657,  
0.3362

■ 83.6876, 0.2553,  
0.3386

■ 81.6283, 0.2467,  
0.3410

■ 80.0458, 0.2400,  
0.3435

■ 78.8993, 0.2352,  
0.3460

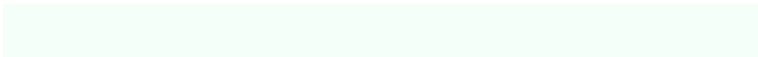
■ 78.1412, 0.2324,  
0.3486

■ 77.7125, 0.2313,  
0.3510

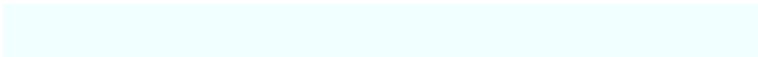
# Harmonies

## Analogous

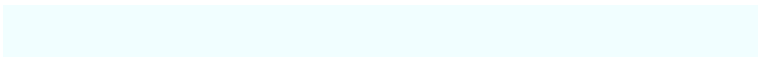
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.3765, 0.3091, 0.3345



97.3765, 0.3047, 0.3300



97.3765, 0.3025, 0.3252

# Triad

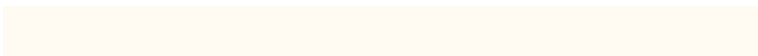
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.3765, 0.3047, 0.3300



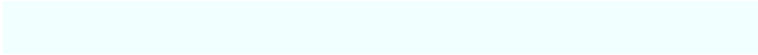
97.3765, 0.3110, 0.3207



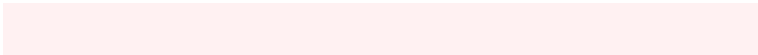
97.3765, 0.3225, 0.3364

# Complementary

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



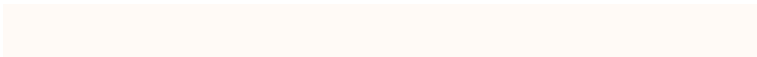
97.3765, 0.3047, 0.3300



90.5603, 0.3213, 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.



97.3765, 0.3231, 0.3327



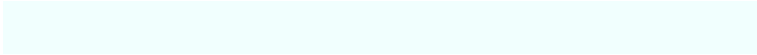
97.3765, 0.3047, 0.3300



97.3765, 0.3164, 0.3236

# Square

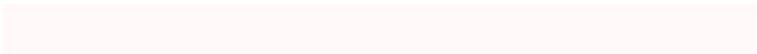
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



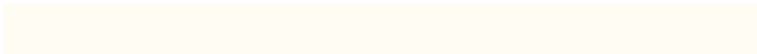
97.3765, 0.3047, 0.3300



97.3765, 0.3061, 0.3199



97.3765, 0.3208, 0.3280



97.3765, 0.3194, 0.3382

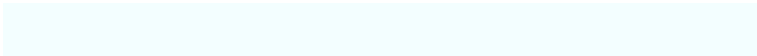


# Rectangle

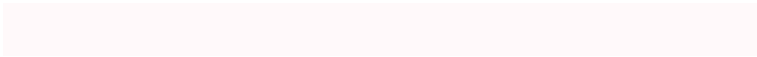
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



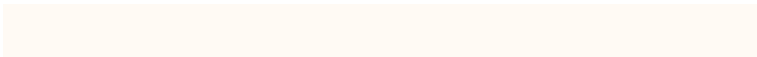
97.3765, 0.3047, 0.3300



97.3765, 0.3025, 0.3226



97.3765, 0.3208, 0.3280



97.3765, 0.3230, 0.3353

# Sweetspot

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



97.3681, 0.3047, 0.3300



99.0214, 0.3098, 0.3294



96.7697, 0.3128, 0.3428



21.2049, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

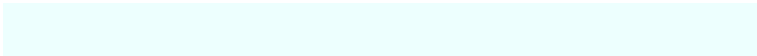


# Same Dimension

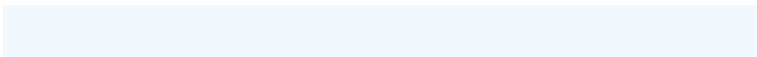
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.3681, 0.3047, 0.3300



96.6860, 0.3026, 0.3303



93.7598, 0.3042, 0.3233



20.6367, 0.3017, 0.3304



40.5516, 0.2310, 0.3517

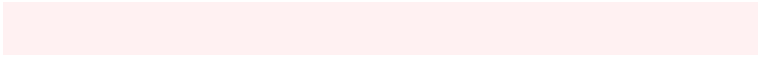


3.9550, 0.2303, 0.3489



# Inverse Universe

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



90.5603, 0.3213, 0.3280



88.1157, 0.3239, 0.3277



94.0157, 0.3215, 0.3347



18.6523, 0.3249, 0.3276



11.1407, 0.6324, 0.3258

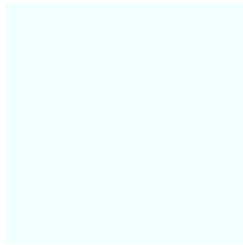


1.0919, 0.6157, 0.3166



# Previews

## White Background



This preview shows how the Yxy color 97.3765, 0.3047, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

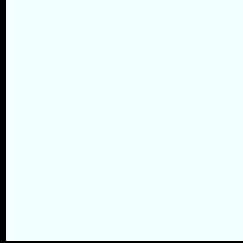
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.3765, 0.3047, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

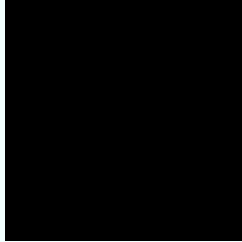
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.3765, 0.3047, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.3765, 0.3047, 0.3300.



This preview shows how white text looks on a background with the Yxy color 97.3765, 0.3047, 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

A vertical rectangular area divided into three colored sections: a light cyan top section, a light pink middle section, and a light yellow bottom section. To the right of each section is text describing the color and its corresponding L, M, and S cone response values.

### Original Color

97.3765, 0.3047, 0.3300

### Protanopia

97.2826, 0.3146, 0.3281

### Deuteranopia

97.2826, 0.3146, 0.3281

## **Tritanopia**

97.3500, 0.3104, 0.3261

# Trichromacy



**Original Color**

97.3765, 0.3047, 0.3300

**Protanomaly**

97.0366, 0.3109, 0.3280

**Deuteranomaly**

97.0366, 0.3109, 0.3280

**Tritanomaly**

97.2447, 0.3078, 0.3271

# Monochromacy



**Original Color**

97.3765, 0.3047, 0.3300

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.4232, 0.3096, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.3765, 0.3047, 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(241, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 254)  
}
```

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(241, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 97.3765, 0.3047, 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(241, 255, 254) }
```

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

```
.border{ border-color:rgb(241, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.3765, 0.3047, 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(241, 255, 254) }
```

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

```
.background{ background-color: rgb(241,  
255, 254) }
```

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