

# Converting Colors

$Y_{xy}(100.1808, 0.3037, 0.3347)$

Have a look what the booklet for  
Yxy(100.1808, 0.3037, 0.3347)  
contains.

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# Color

**Yxy(97.0265, 0.3035, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFFE
RGB	239, 255, 254
RGB Percent	94%, 100%, 100%
CMY	0.0628, 0.0000, 0.0041
CMYK	0.06, 0.00, 0.00, 0.00
HSL	176°, 100%, 97%
HSV	176°, 6%, 100%
XYZ	89.2350, 97.0265, 107.7582
YIQ	250.1020, -9.2150, -3.7030

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 247, 255
Decimal	15728638
CIE <sub>Lab</sub>	98.84, -5.40, -1.31
CIE <sub>LCh</sub>	99, 5.558, 193.647
Yxy	97.0265, 0.3035, 0.3300
Android (android.graphics.Color)	4293918718 (0xFFEFFFFE)
YUV	250.1020, 1.9217, -9.7365
Hunter-Lab	98.5020, -10.6718, 4.0900

# Details

The Yxy color 97.0265, 0.3035, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.2721, 0.3227, 0.3280, and the grayscale version is 95.6662, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4867, 0.3018, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 92.7858, 0.2894, 0.3317, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (94%)
- Green (100%)
- Blue (100%)



- Red (94%)
- 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 97.0265, 0.3035, 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 97.0265, 0.3035, 0.3300 by changing the saturation by 10% instead.




 97.0265, 0.3035,  
0.3300

 97.0265, 0.3035,  
0.3300


550.6325, 0.3075,  
0.3296

 73.8228, 0.3026,  
0.3301


157.0613, 0.3049,  
0.3299

 54.6490, 0.3016,  
0.3302

194.6613, 0.3054,  
0.3298

 39.1208, 0.3003,  
0.3303


237.8287, 0.3059,  
0.3298

 26.8537, 0.2986,  
0.3305

286.9480, 0.3063,  
0.3297

 17.4634, 0.2964,  
0.3307

342.4037, 0.3067,  
0.3297

 10.5654, 0.2935,  
0.3310

404.5800, 0.3070,

 5.7754, 0.2892,

0.3296

0.3313

473.8615, 0.3073,  
0.3296

■ 2.7090, 0.2826,  
0.3319

■ 0.9818, 0.2706,  
0.3328

■ 97.0265, 0.3035,  
0.3300

■ 97.0265, 0.3035,  
0.3300

■ 92.7858, 0.2894,  
0.3317

100.0000, 0.3127,  
0.3290

■ 89.1523, 0.2763,  
0.3335

■ 86.0918, 0.2644,  
0.3355

■ 83.5742, 0.2541,  
0.3375

■ 81.5667, 0.2456,  
0.3397

■ 80.0327, 0.2389,  
0.3419

■ 78.9311, 0.2343,  
0.3441

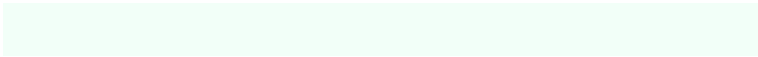
■ 78.2135, 0.2315,  
0.3463

■ 77.8197, 0.2305,  
0.3484

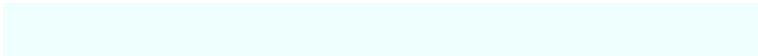
# Harmonies

## Analogous

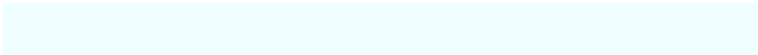
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.0265, 0.3084, 0.3352



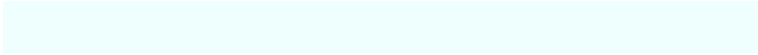
97.0265, 0.3035, 0.3300



97.0265, 0.3011, 0.3246

# Triad

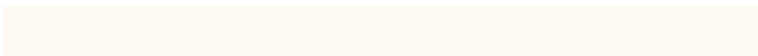
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.0265, 0.3035, 0.3300



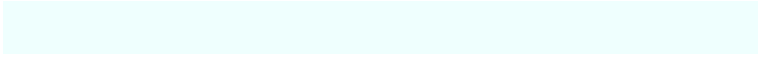
97.0265, 0.3109, 0.3196



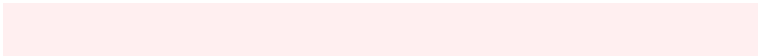
97.0265, 0.3239, 0.3375

# Complementary

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



97.0265, 0.3035, 0.3300



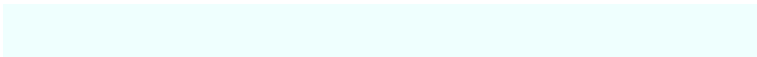
89.2721, 0.3227, 0.3280

# 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.



97.0265, 0.3245, 0.3333



97.0265, 0.3035, 0.3300



97.0265, 0.3170, 0.3230

# Square

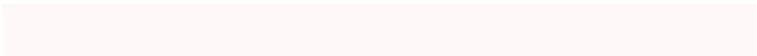
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



97.0265, 0.3035, 0.3300



97.0265, 0.3053, 0.3186



97.0265, 0.3220, 0.3279

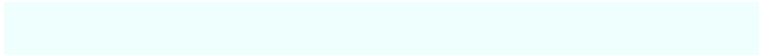


97.0265, 0.3202, 0.3395

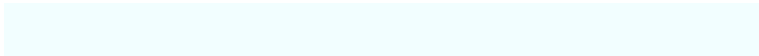


# Rectangle

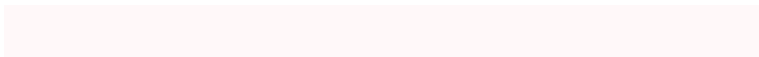
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.0265, 0.3035, 0.3300



97.0265, 0.3011, 0.3216



97.0265, 0.3220, 0.3279



97.0265, 0.3245, 0.3363

# Sweetspot

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



97.0202, 0.3035, 0.3300



99.0243, 0.3098, 0.3293



96.2840, 0.3126, 0.3449



21.2055, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

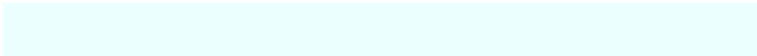


# Same Dimension

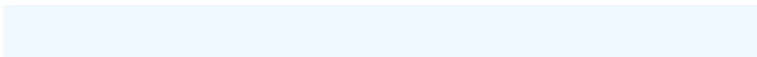
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.0202, 0.3035, 0.3300



96.2494, 0.3010, 0.3303



92.7367, 0.3030, 0.3221



20.4600, 0.2989, 0.3305



40.6203, 0.2302, 0.3489

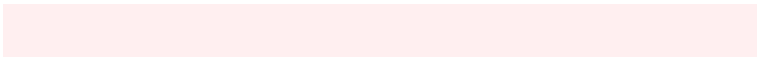


3.9609, 0.2296, 0.3464

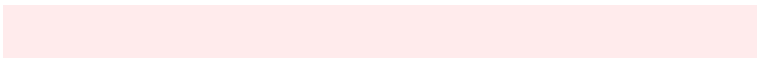


# Inverse Universe

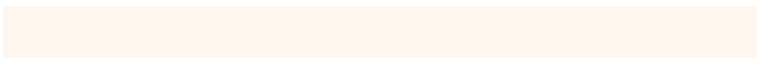
The Inverse Universe completely reimagines the original color for something new.



89.2721, 0.3227, 0.3280



86.4994, 0.3257, 0.3277



93.3540, 0.3228, 0.3358



18.0061, 0.3284, 0.3275



11.1363, 0.6335, 0.3263

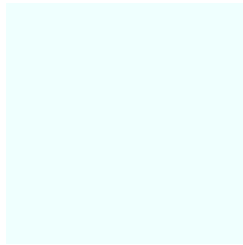


1.0907, 0.6185, 0.3181



# Previews

## White Background



This preview shows how the Yxy color 97.0265, 0.3035, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

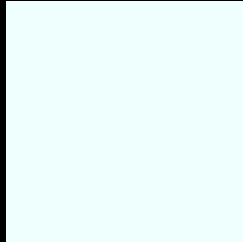
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.0265, 0.3035, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

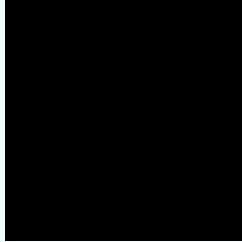
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.0265, 0.3035, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.0265, 0.3035, 0.3300.

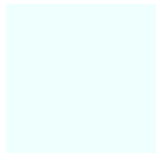


This preview shows how white text looks on a background with the Yxy color 97.0265, 0.3035, 0.3300.

# 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

97.0265, 0.3035, 0.3300



### Protanopia

96.5962, 0.3153, 0.3281

### Deuteranopia

96.6595, 0.3147, 0.3271

## **Tritanopia**

97.1648, 0.3097, 0.3261

# Trichromacy



A vertical bar on the left side of the Trichromacy section, divided into four horizontal segments of different colors: cyan, light blue, light green, and light yellow.

## Original Color

97.0265, 0.3035, 0.3300

## Protanomaly

96.7888, 0.3108, 0.3290

## Deuteranomaly

96.8524, 0.3103, 0.3280

## Tritanomaly

97.0634, 0.3072, 0.3271

# Monochromacy



A vertical bar on the left side of the Monochromacy section, divided into three horizontal segments of different colors: cyan, light blue, and light yellow.

## Original Color

97.0265, 0.3035, 0.3300

## Achromatopsia

95.5973, 0.3127, 0.3290

## Achromatomaly

96.1787, 0.3096, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.0265, 0.3035, 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(239, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 97.0265, 0.3035, 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(239, 255, 254) }
```

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

```
.border{ border-color:rgb(239, 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(239, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.0265, 0.3035, 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(239, 255, 254) }
```

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

```
.background{ background-color: rgb(239,  
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](#).

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