

# Converting Colors

$Y_{xy}(100.0000, 0.3030, 0.3362)$

Have a look what the booklet for  
Yxy(100.0000, 0.3030, 0.3362)  
contains.

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# Color

**Yxy(96.6164, 0.3028, 0.3309)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | EDFFFD                      |
| RGB         | 237, 255, 253               |
| RGB Percent | 93%, 100%, 99%              |
| CMY         | 0.0707, 0.0000, 0.0077      |
| CMYK        | 0.07, 0.00, 0.01, 0.00      |
| HSL         | 173°, 100%, 96%             |
| HSV         | 173°, 7%, 100%              |
| XYZ         | 88.4117, 96.6164, 106.9525  |
| YIQ         | 249.3900, -10.0860, -4.4380 |

# Conversions

## Conversions Part 2

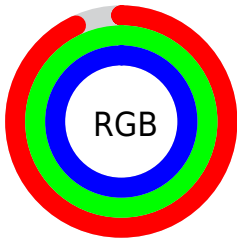
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 237, 247, 255                 |
| Decimal                             | 15597565                      |
| CIE Lab                             | 98.68, -6.21, -1.09           |
| CIE LCh                             | 99, 6.308, 189.975            |
| Yxy                                 | 96.6164, 0.3028,<br>0.3309    |
| Android<br>(android.graphics.Color) | 4293787645<br>(0xFFEFFFFD)    |
| YUV                                 | 249.3900, 1.7797,<br>-10.8660 |
| Hunter-Lab                          | 98.2936, -11.4593,<br>4.2926  |

# Details

The Yxy color 96.6164, 0.3028, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.0377, 0.3236, 0.3271, and the grayscale version is 95.0554, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1974, 0.3010, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 92.3577, 0.2893, 0.3338, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

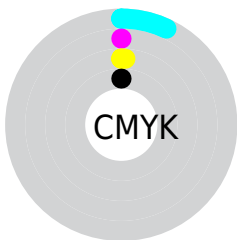
# Distribution



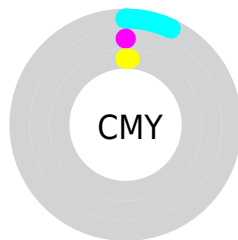
- Red (93%)
- Green (100%)
- Blue (99%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.6164, 0.3028, 0.3309 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 96.6164, 0.3028, 0.3309 by changing the saturation by 10% instead.



 96.6164, 0.3028,  
0.3309

 96.6164, 0.3028,  
0.3309

549.3269, 0.3072,  
0.3301

 73.4810, 0.3019,  
0.3311


156.4958, 0.3043,  
0.3306

 54.3694, 0.3007,  
0.3313


194.0087, 0.3049,  
0.3305

 38.8971, 0.2993,  
0.3315


237.0829, 0.3054,  
0.3304

 26.6797, 0.2975,  
0.3319

286.1027, 0.3058,  
0.3303

 17.3328, 0.2952,  
0.3323

341.4526, 0.3062,  
0.3303

 10.4720, 0.2920,  
0.3328

403.5170, 0.3066,

 5.7130, 0.2874,

0.3302

472.6803, 0.3069,  
0.3301

0.3336

■ 2.6714, 0.2802,  
0.3348

■ 0.9627, 0.2667,  
0.3372

■ 96.6164, 0.3028,  
0.3309

■ 96.6164, 0.3028,  
0.3309

■ 92.3577, 0.2893,  
0.3338

100.0000, 0.3127,  
0.3290

■ 88.7021, 0.2768,  
0.3369

■ 85.6189, 0.2655,  
0.3403

■ 83.0777, 0.2557,  
0.3438

■ 81.0454, 0.2476,  
0.3475

■ 79.4853, 0.2414,  
0.3513

■ 78.3556, 0.2372,  
0.3551

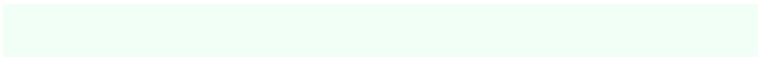
■ 77.6073, 0.2349,  
0.3589

■ 77.1776, 0.2344,  
0.3626

# Harmonies

## Analogous

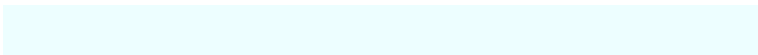
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6164, 0.3086, 0.3367



96.6164, 0.3028, 0.3309



96.6164, 0.2996, 0.3247

# Triad

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



96.6164, 0.3028, 0.3309



96.6164, 0.3097, 0.3180



96.6164, 0.3257, 0.3382

# Complementary

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



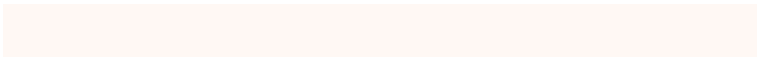
96.6164, 0.3028, 0.3309



88.0377, 0.3236, 0.3271

# 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.



96.6164, 0.3260, 0.3331



96.6164, 0.3028, 0.3309



96.6164, 0.3167, 0.3215

# Square

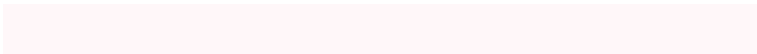
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



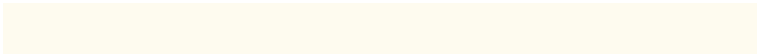
96.6164, 0.3028, 0.3309



96.6164, 0.3036, 0.3173



96.6164, 0.3227, 0.3270



96.6164, 0.3219, 0.3409

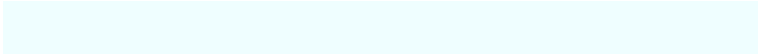


# Rectangle

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



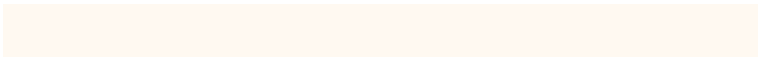
96.6164, 0.3028, 0.3309



96.6164, 0.2994, 0.3211



96.6164, 0.3227, 0.3270



96.6164, 0.3262, 0.3367

# Sweetspot

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



96.6137, 0.3028, 0.3309



99.0099, 0.3099, 0.3295



95.9959, 0.3132, 0.3469



21.2026, 0.3100, 0.3295



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

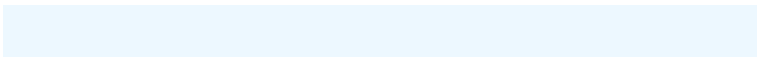
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6137, 0.3028, 0.3309



96.1924, 0.3015, 0.3312



92.4080, 0.3018, 0.3221



20.4455, 0.2995, 0.3316



40.2920, 0.2342, 0.3631



3.9324, 0.2330, 0.3588



# Inverse Universe

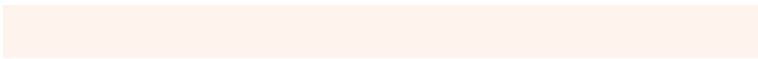
The Inverse Universe completely reimagines the original color for something new.



88.0377, 0.3236, 0.3271



86.5514, 0.3251, 0.3269



92.0021, 0.3242, 0.3358



18.0191, 0.3277, 0.3265



11.1620, 0.6275, 0.3230

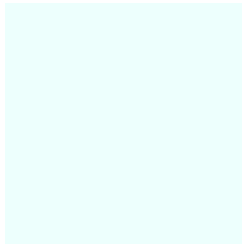


1.0968, 0.6050, 0.3107



# Previews

## White Background



This preview shows how the Yxy color 96.6164, 0.3028, 0.3309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

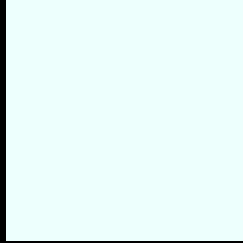
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.6164, 0.3028, 0.3309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

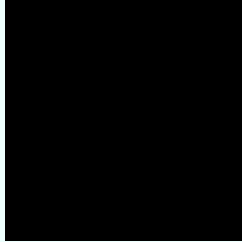
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.6164, 0.3028, 0.3309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.6164, 0.3028, 0.3309.



This preview shows how white text looks on a background with the Yxy color 96.6164, 0.3028, 0.3309.

# 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

96.6164, 0.3028, 0.3309



### Protanopia

96.5333, 0.3159, 0.3290

### Deuteranopia

96.6595, 0.3147, 0.3271

## **Tritanopia**

96.3541, 0.3091, 0.3251

# Trichromacy



A vertical bar on the left side of the Trichromacy section, divided into four horizontal segments. The top segment is a light cyan color, and the rest of the bar is a very light, almost white, cyan color.

**Original Color**

96.6164, 0.3028, 0.3309

**Protanomaly**

96.5423, 0.3108, 0.3300

**Deuteranomaly**

96.6055, 0.3102, 0.3290

**Tritanomaly**

96.1890, 0.3072, 0.3270

# Monochromacy



A vertical bar on the left side of the Monochromacy section, divided into three horizontal segments. The top segment is a light cyan color, the middle segment is a light pink color, and the bottom segment is a very light, almost white, cyan color.

**Original Color**

96.6164, 0.3028, 0.3309

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

95.3090, 0.3095, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.6164, 0.3028, 0.3309 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(237, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 253)  
}
```

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(237, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 96.6164, 0.3028, 0.3309 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(237, 255, 253) }
```

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

```
.border{ border-color:rgb(237, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.6164, 0.3028, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 253) }
```

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

```
.background{ background-color: rgb(237,  
255, 253) }
```

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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