

# Converting Colors

$Y_{xy}(97.8272, 0.2900, 0.3072)$

Have a look what the booklet for  
Yxy(97.8272, 0.2900, 0.3072)  
contains.

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# Color

**Yxy(96.1081, 0.3017, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFEFF
RGB	237, 254, 255
RGB Percent	93%, 100%, 100%
CMY	0.0708, 0.0038, 0.0000
CMYK	0.07, 0.00, 0.00, 0.00
HSL	183°, 100%, 96%
HSV	183°, 7%, 100%
XYZ	88.4019, 96.1081, 108.5025
YIQ	249.0310, -10.4530, -3.2930

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 246, 255
Decimal	15597311
CIE Lab	98.48, -5.36, -2.40
CIE LCh	98, 5.873, 204.074
Yxy	96.1081, 0.3017, 0.3280
Android (android.graphics.Color)	4293787391 (0xFFEDFEFF)
YUV	249.0310, 2.9427, -10.5512
Hunter-Lab	98.0347, -10.6002, 3.0035

# Details

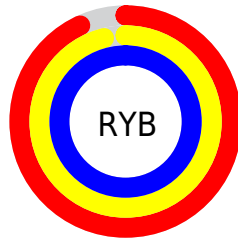
The Yxy color 96.1081, 0.3017, 0.3280 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4719, 0.3248, 0.3300, and the grayscale version is 94.7349, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8335, 0.2996, 0.3277 is the 20% darker color. If you saturate the color by 10%, you get 91.1583, 0.2867, 0.3265, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



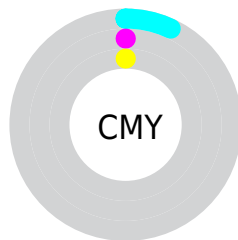
- Red (93%)
- Green (100%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.1081, 0.3017, 0.3280 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 96.1081, 0.3017, 0.3280 by changing the saturation by 10% instead.




 96.1081, 0.3017,  
0.3280

 96.1081, 0.3017,  
0.3280


547.7064, 0.3065,  
0.3285

 73.0576, 0.3007,  
0.3279


155.7946, 0.3033,  
0.3282

 54.0231, 0.2994,  
0.3278


193.1994, 0.3040,  
0.3282

 38.6201, 0.2978,  
0.3276


236.1577, 0.3045,  
0.3283

 26.4643, 0.2958,  
0.3274

285.0540, 0.3050,  
0.3283

 17.1713, 0.2932,  
0.3271

340.2726, 0.3055,  
0.3284

 10.3567, 0.2897,  
0.3267

402.1979, 0.3059,

 5.6361, 0.2846,

0.3284

0.3260

471.2144, 0.3062,  
0.3284

■ 2.6251, 0.2766,  
0.3250

■ 0.9393, 0.2617,  
0.3231

■ 96.1081, 0.3017,  
0.3280

■ 96.1081, 0.3017,  
0.3280

■ 91.1583, 0.2867,  
0.3265

100.0000, 0.3127,  
0.3290

■ 86.8089, 0.2727,  
0.3249

■ 83.0357, 0.2599,  
0.3232

■ 79.8082, 0.2487,  
0.3214

■ 77.0934, 0.2392,  
0.3196

■ 74.8544, 0.2316,  
0.3177

■ 73.0495, 0.2260,  
0.3158

■ 71.6296, 0.2223,  
0.3140

■ 70.5321, 0.2203,  
0.3122

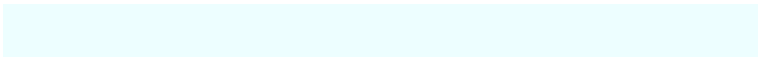
# Harmonies

## Analogous

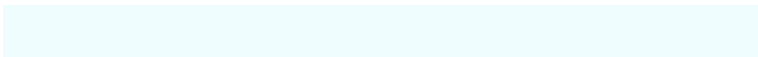
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1081, 0.3061, 0.3338



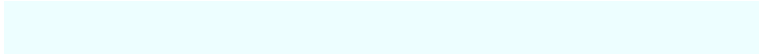
96.1081, 0.3017, 0.3280



96.1081, 0.3002, 0.3226

# Triad

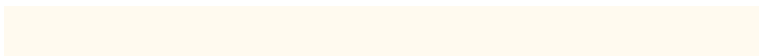
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.1081, 0.3017, 0.3280



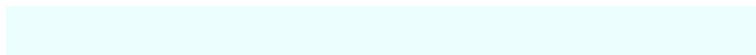
96.1081, 0.3130, 0.3200



96.1081, 0.3235, 0.3391

# Complementary

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



96.1081, 0.3017, 0.3280



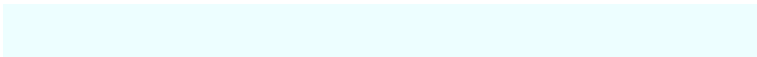
88.4719, 0.3248, 0.3300

# Split Complementary

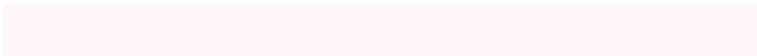
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1081, 0.3254, 0.3353



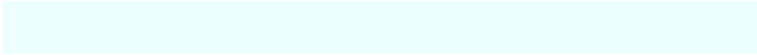
96.1081, 0.3017, 0.3280



96.1081, 0.3193, 0.3243

# Square

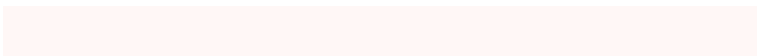
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.1081, 0.3017, 0.3280



96.1081, 0.3067, 0.3180



96.1081, 0.3239, 0.3299

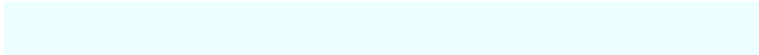


96.1081, 0.3187, 0.3402

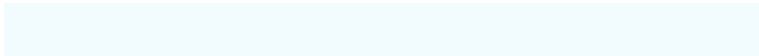


# Rectangle

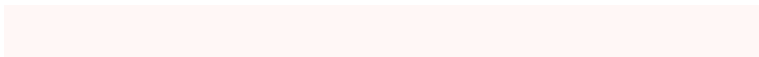
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



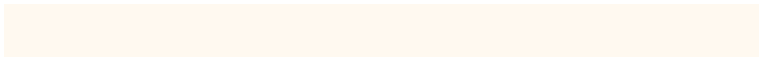
96.1081, 0.3017, 0.3280



96.1081, 0.3011, 0.3199



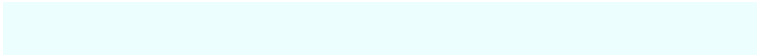
96.1081, 0.3239, 0.3299



96.1081, 0.3245, 0.3381

# Sweetspot

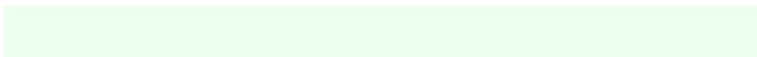
The Sweet Spot groups the original color and five complimentary colors.



96.1118, 0.3017, 0.3280



98.8695, 0.3096, 0.3287



95.6779, 0.3114, 0.3461



21.1740, 0.3097, 0.3287



0.0000, 0.0000, 0.0000

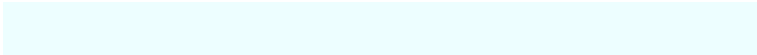


21.4041, 0.3127, 0.3290

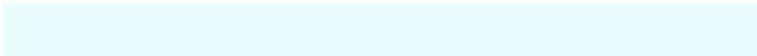


# Same Dimension

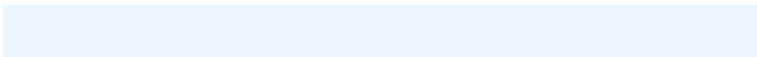
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.1118, 0.3017, 0.3280



95.6314, 0.3003, 0.3279



90.5593, 0.3018, 0.3191



20.3029, 0.2980, 0.3277



36.7777, 0.2200, 0.3120



3.6304, 0.2206, 0.3141



# Inverse Universe

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



88.9505, 0.3141, 0.3126



87.5969, 0.3143, 0.3104



93.8146, 0.3240, 0.3387



18.2824, 0.3146, 0.3068



14.4407, 0.3350, 0.1619

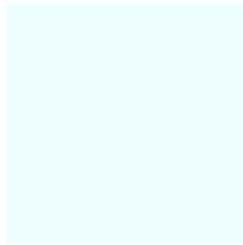


1.4110, 0.3332, 0.1609



# Previews

## White Background



This preview shows how the Yxy color 96.1081, 0.3017, 0.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

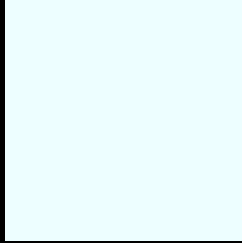
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.1081, 0.3017, 0.3280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

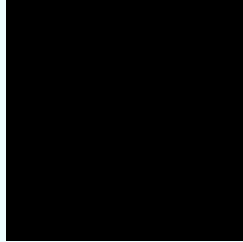
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.1081, 0.3017, 0.3280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.1081, 0.3017, 0.3280.

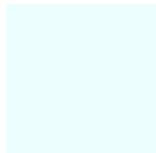


This preview shows how white text looks on a background with the Yxy color 96.1081, 0.3017, 0.3280.

# 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

96.1081, 0.3017, 0.3280



### Protanopia

95.8505, 0.3141, 0.3261

### Deuteranopia

96.0396, 0.3148, 0.3261

## **Tritanopia**

96.1708, 0.3085, 0.3251

# Trichromacy



A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. The top segment is cyan, the second is light blue, the third is light cyan, and the bottom is light blue.

**Original Color**

96.1081, 0.3017, 0.3280

**Protanomaly**

96.0427, 0.3097, 0.3271

**Deuteranomaly**

96.0427, 0.3097, 0.3271

**Tritanomaly**

96.0739, 0.3060, 0.3261

# Monochromacy



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

**Original Color**

96.1081, 0.3017, 0.3280

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

95.3719, 0.3090, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.1081, 0.3017, 0.3280 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 254, 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(237, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 254, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 96.1081, 0.3017, 0.3280 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, 254, 255) }
```

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

```
.border{ border-color:rgb(237, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 254,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.1081, 0.3017, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 254, 255) }
```

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

```
.background{ background-color: rgb(237,  
254, 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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