

# Converting Colors

$Yxy(90.0838, 0.2997, 0.3260)$

Have a look what the booklet for  
Yxy(90.0838, 0.2997, 0.3260)  
contains.

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# Color

**Yxy(90.0817, 0.2997, 0.3259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F7FA
RGB	229, 247, 250
RGB Percent	90%, 97%, 98%
CMY	0.1018, 0.0314, 0.0195
CMYK	0.08, 0.01, 0.00, 0.02
HSL	189°, 68%, 94%
HSV	189°, 8%, 98%
XYZ	82.8398, 90.0817, 103.4875
YIQ	241.9600, -11.6910, -2.8830

# Conversions

## Conversions Part 2

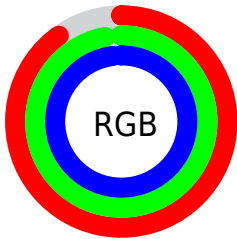
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 239, 250
Decimal	15071226
CIE <sub>Lab</sub>	96.03, -5.28, -3.48
CIE <sub>LCh</sub>	96, 6.329, 213.398
Yxy	90.0817, 0.2997, 0.3259
Android (android.graphics.Color)	4293261306 (0xFFE5F7FA)
YUV	241.9600, 3.9637, -11.3659
Hunter-Lab	94.9114, -10.2980, 1.7905

# Details

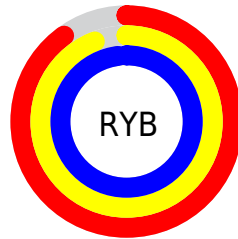
The Yxy color **90.0817, 0.2997, 0.3259** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.7396, 0.3270, 0.3321**, and the grayscale version is **88.7421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0409, 0.2962, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **84.0743, 0.2846, 0.3219**, and if you desaturate by 10%, it is **96.7319, 0.3152, 0.3296**.

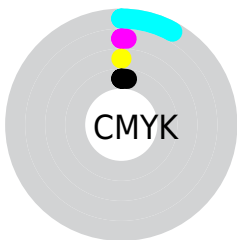
# Distribution



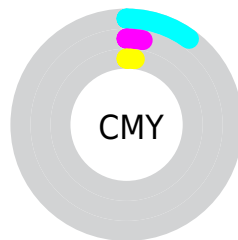
- Red (90%)
- Green (97%)
- Blue (98%)



- Red (90%)
- Yellow (94%)
- Blue (98%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




- Cyan (10%)
- Magenta (3%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0817, 0.2997, 0.3259 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 90.0817, 0.2997, 0.3259 by changing the saturation by 10% instead.




 90.0817, 0.2997,  
0.3259

 90.0817, 0.2997,  
0.3259

528.2966, 0.3055,  
0.3273

 68.0484, 0.2984,  
0.3256

147.4519, 0.3017,  
0.3264

 49.9371, 0.2969,  
0.3252


183.5575, 0.3024,  
0.3266

 35.3634, 0.2950,  
0.3247


225.1228, 0.3031,  
0.3267

 23.9430, 0.2926,  
0.3241

272.5320, 0.3037,  
0.3269

 15.2913, 0.2893,  
0.3232

326.1696, 0.3042,  
0.3270

 9.0241, 0.2849,  
0.3220

386.4200, 0.3047,

 4.7569, 0.2785,

0.3271

453.6675, 0.3051,  
0.3272

0.3202

2.1053, 0.2681,  
0.3171

0.6676, 0.2358,  
0.3114

90.0817, 0.2997,  
0.3259

90.0817, 0.2997,  
0.3259

84.0743, 0.2846,  
0.3219

96.7319, 0.3152,  
0.3296

78.6728, 0.2702,  
0.3176

99.1900, 0.3156,  
0.3330

73.8539, 0.2569,  
0.3129

99.6840, 0.3156,  
0.3337

69.5881, 0.2449,  
0.3081

■ 65.8431, 0.2346,  
0.3030

■ 62.5832, 0.2260,  
0.2978

■ 59.7676, 0.2195,  
0.2926

■ 57.3482, 0.2148,  
0.2875

■ 55.2574, 0.2119,  
0.2824

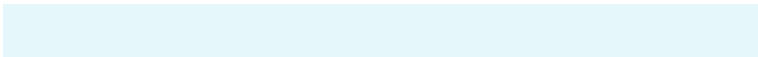
# Harmonies

## Analogous

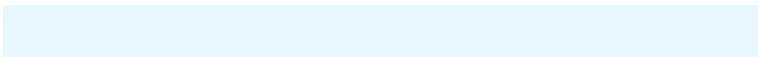
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0817, 0.3037, 0.3324



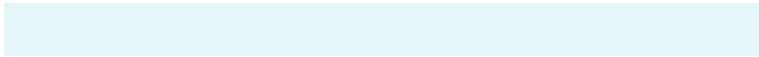
90.0817, 0.2997, 0.3259



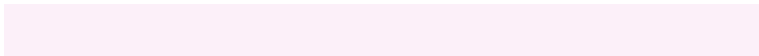
90.0817, 0.2992, 0.3204

# Triad

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



90.0817, 0.2997, 0.3259



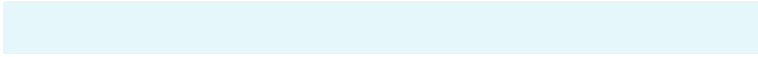
90.0817, 0.3153, 0.3203



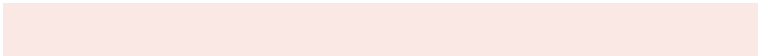
90.0817, 0.3232, 0.3409

# Complementary

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



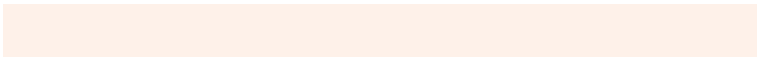
90.0817, 0.2997, 0.3259



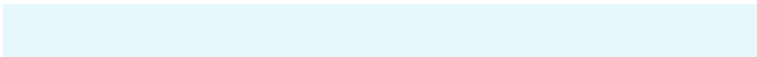
83.7396, 0.3270, 0.3321

# 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.



90.0817, 0.3264, 0.3375



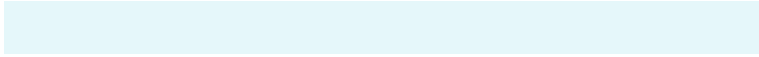
90.0817, 0.2997, 0.3259



90.0817, 0.3218, 0.3257

# Square

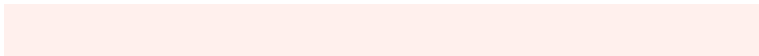
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0817, 0.2997, 0.3259



90.0817, 0.3081, 0.3173



90.0817, 0.3259, 0.3319



90.0817, 0.3172, 0.3411

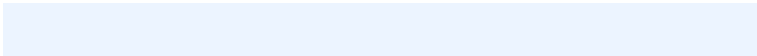


# Rectangle

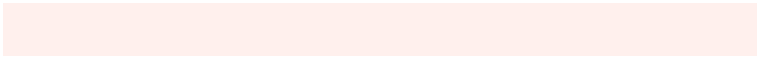
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



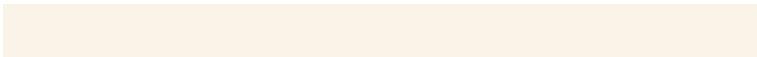
90.0817, 0.2997, 0.3259



90.0817, 0.3009, 0.3180



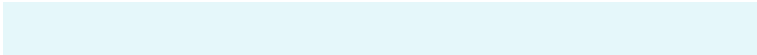
90.0817, 0.3259, 0.3319



90.0817, 0.3247, 0.3401

# Sweetspot

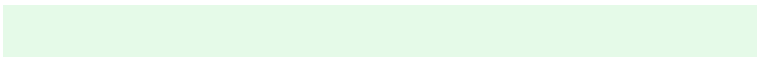
The Sweet Spot groups the original color and five complimentary colors.



90.0855, 0.2997, 0.3259



97.8742, 0.3080, 0.3279



90.8700, 0.3101, 0.3476



20.8297, 0.3068, 0.3276



0.0000, 0.0000, 0.0000

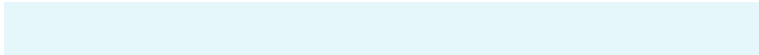


21.4041, 0.3127, 0.3290

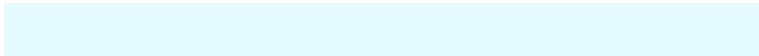


# Same Dimension

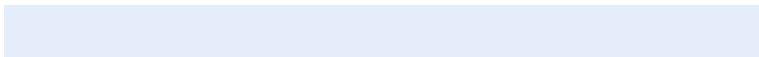
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0855, 0.2997, 0.3259



93.1508, 0.2972, 0.3253



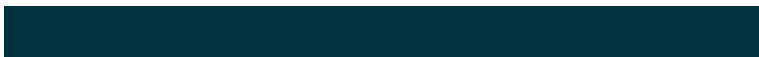
83.9800, 0.2997, 0.3154



19.1556, 0.2980, 0.3255



29.2978, 0.2118, 0.2824



2.8266, 0.2135, 0.2885



# Inverse Universe

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



83.1007, 0.3156, 0.3113



84.5605, 0.3162, 0.3078



89.6899, 0.3260, 0.3422



17.4789, 0.3160, 0.3089



13.3685, 0.3612, 0.1764

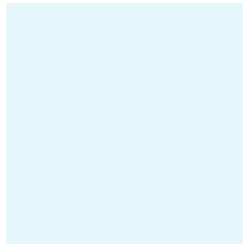


1.2496, 0.3557, 0.1733



# Previews

## White Background



This preview shows how the Yxy color 90.0817, 0.2997, 0.3259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

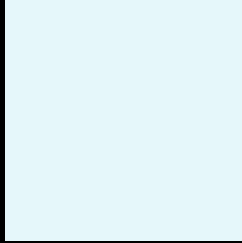
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.0817, 0.2997, 0.3259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

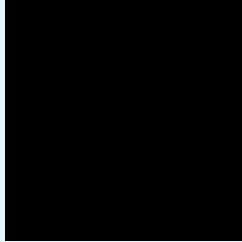
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

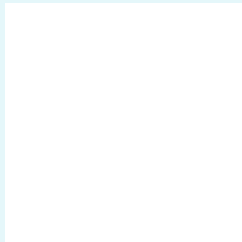
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.0817, 0.2997, 0.3259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.0817, 0.2997, 0.3259.

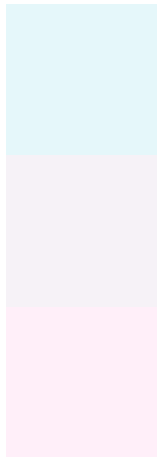


This preview shows how white text looks on a background with the Yxy color 90.0817, 0.2997, 0.3259.

# 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

90.0817, 0.2997, 0.3259

### Protanopia

89.8125, 0.3123, 0.3241

### Deuteranopia

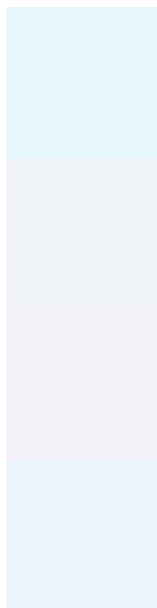
89.8326, 0.3171, 0.3193



## Tritanopia

89.9259, 0.3018, 0.3181

# Trichromacy



## Original Color

90.0817, 0.2997, 0.3259

## Protanomaly

90.0039, 0.3078, 0.3250

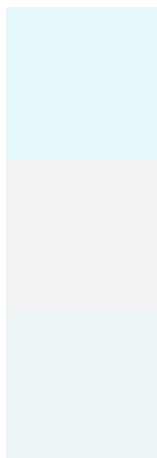
## Deuteranomaly

89.9366, 0.3111, 0.3221

## Tritanomaly

89.8891, 0.3011, 0.3210

# Monochromacy



## Original Color

90.0817, 0.2997, 0.3259

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.2985, 0.3076, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  90.0817, 0.2997, 0.3259 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(229, 247, 250)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 250)  
}
```

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(229, 247, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 90.0817, 0.2997, 0.3259 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(229, 247, 250) }
```

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

```
.border{ border-color:rgb(229, 247, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 247, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 247, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 247, 250);  
box-shadow:4px 4px 4px 4px rgb(229, 247,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.0817, 0.2997, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 247, 250) }
```

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

```
.background{ background-color: rgb(229,  
247, 250) }
```

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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