

# Converting Colors

$Yxy(93.4077, 0.3002, 0.3244)$

Have a look what the booklet for  
Yxy(93.4077, 0.3002, 0.3244)  
contains.

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# Color

**Yxy(93.0836, 0.2999, 0.3240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF AFF
RGB	234, 250, 255
RGB Percent	92%, 98%, 100%
CMY	0.0825, 0.0196, 0.0000
CMYK	0.08, 0.02, 0.00, 0.00
HSL	194°, 100%, 96%
HSV	194°, 8%, 100%
XYZ	86.1598, 93.0836, 108.0517
YIQ	245.7860, -11.1410, -1.8370

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 243, 255
Decimal	15399679
CIE Lab	97.26, -4.29, -4.21
CIE LCh	97, 6.013, 224.451
Yxy	93.0836, 0.2999, 0.3240
Android (android.graphics.Color)	4293589759 (0xFFEAF <sub>A</sub> FF)
YUV	245.7860, 4.5425, -10.3363
Hunter-Lab	96.4798, -9.4331, 1.1346

# Details

The Yxy color 93.0836, 0.2999, 0.3240 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8992, 0.3266, 0.3339, and the grayscale version is 91.9429, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.1258, 0.2973, 0.3239 is the 20% darker color. If you saturate the color by 10%, you get 85.3816, 0.2845, 0.3174, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (92%)
- Green (98%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0836, 0.2999, 0.3240 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 93.0836, 0.2999, 0.3240 by changing the saturation by 10% instead.



 93.0836, 0.2999,  
0.3240

 93.0836, 0.2999,  
0.3240


538.0115, 0.3056,  
0.3263

 70.5410, 0.2987,  
0.3235


151.6143, 0.3018,  
0.3248

 51.9677, 0.2972,  
0.3229


188.3713, 0.3026,  
0.3251

 36.9793, 0.2953,  
0.3221


230.6351, 0.3032,  
0.3253

 25.1915, 0.2930,  
0.3212

278.7902, 0.3038,  
0.3256

 16.2198, 0.2899,  
0.3199

333.2210, 0.3043,  
0.3258

 9.6798, 0.2857,  
0.3181

394.3119, 0.3048,

 5.1872, 0.2796,

0.3259

0.3154

462.4472, 0.3052,  
0.3261

■ 2.3575, 0.2699,  
0.3111

■ 0.8039, 0.2490,  
0.3036

■ 93.0836, 0.2999,  
0.3240

■ 93.0836, 0.2999,  
0.3240

■ 85.3816, 0.2845,  
0.3174

100.0000, 0.3127,  
0.3290

■ 78.3911, 0.2696,  
0.3103

■ 72.0850, 0.2555,  
0.3025

■ 66.4316, 0.2424,  
0.2943

■ 61.3963, 0.2308,  
0.2858

■ 56.9406, 0.2210,  
0.2770

■ 53.0209, 0.2131,  
0.2681

■ 49.5858, 0.2072,  
0.2592

■ 46.5648, 0.2031,  
0.2504

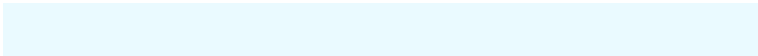
# Harmonies

## Analogous

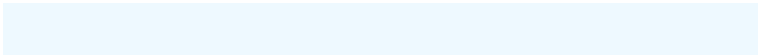
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0836, 0.3025, 0.3299



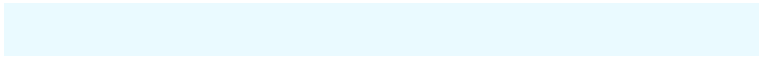
93.0836, 0.2999, 0.3240



93.0836, 0.3007, 0.3195

# Triad

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



93.0836, 0.2999, 0.3240



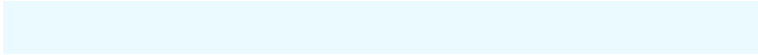
93.0836, 0.3176, 0.3225



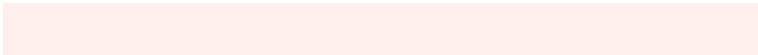
93.0836, 0.3208, 0.3406

# Complementary

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



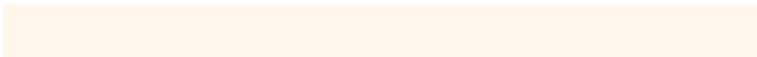
93.0836, 0.2999, 0.3240



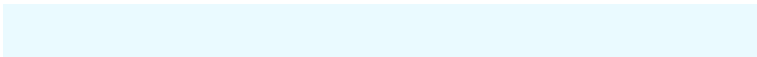
88.8992, 0.3266, 0.3339

# Split Complementary

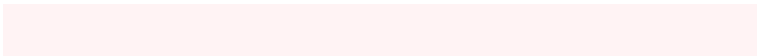
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0836, 0.3249, 0.3384



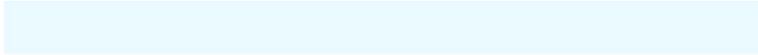
93.0836, 0.2999, 0.3240



93.0836, 0.3230, 0.3280

# Square

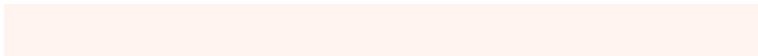
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



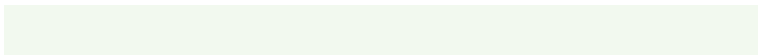
93.0836, 0.2999, 0.3240



93.0836, 0.3108, 0.3187



93.0836, 0.3257, 0.3338

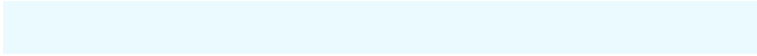


93.0836, 0.3145, 0.3396



# Rectangle

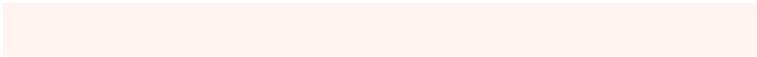
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0836, 0.2999, 0.3240



93.0836, 0.3030, 0.3179



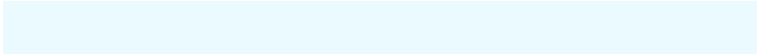
93.0836, 0.3257, 0.3338



93.0836, 0.3224, 0.3402

# Sweetspot

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



93.0860, 0.2999, 0.3240



98.2769, 0.3096, 0.3278



95.2299, 0.3089, 0.3451



21.0534, 0.3098, 0.3279



0.0000, 0.0000, 0.0000

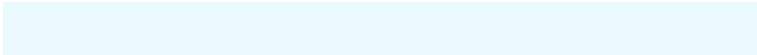


21.4041, 0.3127, 0.3290

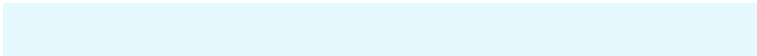


# Same Dimension

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



93.0860, 0.2999, 0.3240



91.6858, 0.2972, 0.3229



86.7733, 0.2999, 0.3135



19.7089, 0.2980, 0.3232



24.3103, 0.2029, 0.2504



2.5344, 0.2057, 0.2604



# Inverse Universe

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



86.9859, 0.3168, 0.3135



84.4127, 0.3177, 0.3101



95.1905, 0.3255, 0.3440



18.2224, 0.3174, 0.3110



13.1821, 0.3919, 0.1932

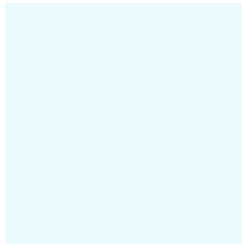


1.3004, 0.3820, 0.1878



# Previews

## White Background



This preview shows how the Yxy color 93.0836, 0.2999, 0.3240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

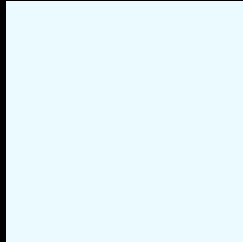
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.0836, 0.2999, 0.3240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

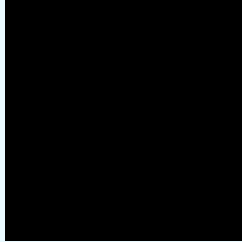
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

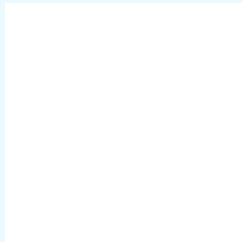
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.0836, 0.2999, 0.3240**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.0836, 0.2999, 0.3240.

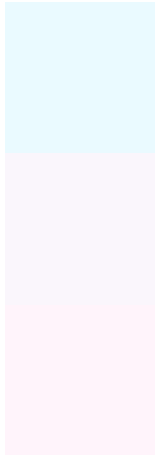


This preview shows how white text looks on a background with the Yxy color 93.0836, 0.2999, 0.3240.

# 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

93.0836, 0.2999, 0.3240

### Protanopia

93.2638, 0.3117, 0.3232

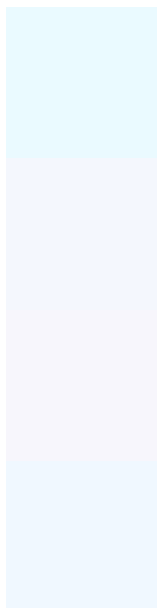
### Deuteranopia

92.9264, 0.3156, 0.3223

## **Tritanopia**

92.7962, 0.3055, 0.3212

# Trichromacy



## Original Color

93.0836, 0.2999, 0.3240

## Protanomaly

92.8465, 0.3073, 0.3231

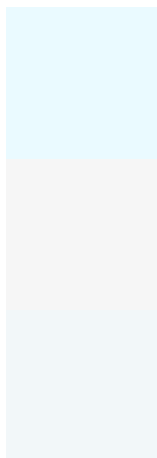
## Deuteranomaly

92.7140, 0.3098, 0.3232

## Tritanomaly

92.8801, 0.3036, 0.3221

# Monochromacy



## Original Color

93.0836, 0.2999, 0.3240

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.2383, 0.3084, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.0836, 0.2999, 0.3240 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(234, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 250, 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(234, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 93.0836, 0.2999, 0.3240 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(234, 250, 255) }
```

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

```
.border{ border-color:rgb(234, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.0836, 0.2999, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 250, 255) }
```

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

```
.background{ background-color: rgb(234,  
250, 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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