

# Converting Colors

$Yxy(90.3867, 0.3083, 0.3442)$

Have a look what the booklet for  
Yxy(90.3867, 0.3083, 0.3442)  
contains.

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# Color

**Yxy(90.1859, 0.3082, 0.3443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F9EA
RGB	228, 249, 234
RGB Percent	89%, 98%, 92%
CMY	0.1058, 0.0235, 0.0822
CMYK	0.08, 0.00, 0.06, 0.02
HSL	137°, 64%, 94%
HSV	137°, 8%, 98%
XYZ	80.7299, 90.1859, 91.0241
YIQ	241.0110, -7.7010, -9.1170

# Conversions

## Conversions Part 2

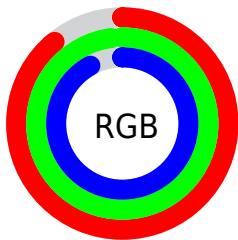
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 244, 249
Decimal	15006186
CIE <sub>Lab</sub>	96.07, -9.56, 4.82
CIE <sub>LCh</sub>	96, 10.708, 153.223
Yxy	90.1859, 0.3082, 0.3443
Android (android.graphics.Color)	4293196266 (0xFFE4F9EA)
YUV	241.0110, -3.4564, -11.4106
Hunter-Lab	94.9663, -14.4499, 9.6476

# Details

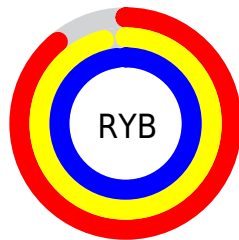
The Yxy color **90.1859, 0.3082, 0.3443** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.1047, 0.3175, 0.3142**, and the grayscale version is **88.0105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2385, 0.3078, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **85.4360, 0.3029, 0.3646**, and if you desaturate by 10%, it is **95.6322, 0.3136, 0.3263**.

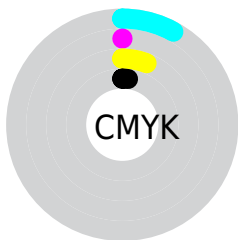
# Distribution



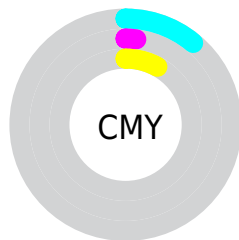
- Red (89%)
- Green (98%)
- Blue (92%)



- Red (89%)
- Yellow (96%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)




- Cyan (11%)
- Magenta (2%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1859, 0.3082, 0.3443 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 90.1859, 0.3082, 0.3443 by changing the saturation by 10% instead.



 90.1859, 0.3082,  
0.3443

 90.1859, 0.3082,  
0.3443


528.6354, 0.3103,  
0.3374

 68.1348, 0.3077,  
0.3458


147.5966, 0.3089,  
0.3419

 50.0074, 0.3072,  
0.3477


183.7250, 0.3092,  
0.3410

 35.4193, 0.3065,  
0.3501


225.3147, 0.3094,  
0.3402

 23.9861, 0.3055,  
0.3531


272.7500, 0.3096,  
0.3395

 15.3233, 0.3043,  
0.3571

326.4153, 0.3098,  
0.3389

 9.0466, 0.3026,  
0.3628

386.6950, 0.3100,

 4.7716, 0.2999,

0.3383

0.3712

453.9736, 0.3101,  
0.3379

■ 2.1139, 0.2955,  
0.3854

■ 0.6724, 0.2754,  
0.4565

■ 90.1859, 0.3082,  
0.3443

■ 90.1859, 0.3082,  
0.3443

■ 85.4360, 0.3029,  
0.3646

■ 95.6322, 0.3136,  
0.3263

■ 81.3431, 0.2978,  
0.3873

■ 96.2302, 0.3130,  
0.3233

■ 77.8810, 0.2931,  
0.4121

■ 75.0176, 0.2892,  
0.4387

■ 72.7178, 0.2864,  
0.4662

■ 70.9425, 0.2849,  
0.4938

■ 69.6479, 0.2851,  
0.5199

■ 68.7822, 0.2868,  
0.5433

■ 68.2738, 0.2899,  
0.5629

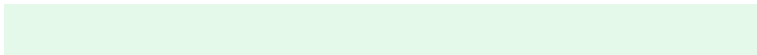
# Harmonies

## Analogous

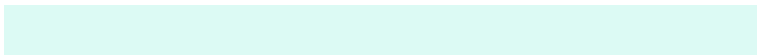
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1859, 0.3203, 0.3496



90.1859, 0.3082, 0.3443



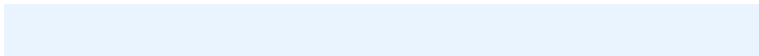
90.1859, 0.2975, 0.3347

# Triad

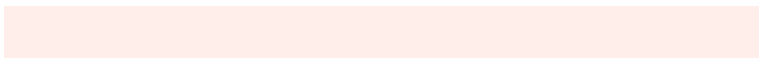
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1859, 0.3082, 0.3443



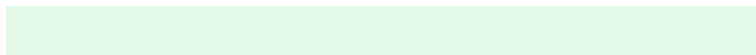
90.1859, 0.2950, 0.3092



90.1859, 0.3351, 0.3337

# Complementary

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



90.1859, 0.3082, 0.3443



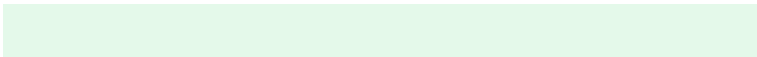
82.1047, 0.3175, 0.3142

# 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.



90.1859, 0.3281, 0.3232



90.1859, 0.3082, 0.3443



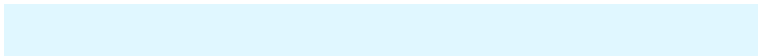
90.1859, 0.3048, 0.3093

# Square

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



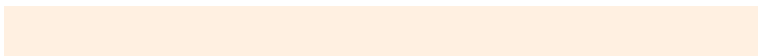
90.1859, 0.3082, 0.3443



90.1859, 0.2899, 0.3144



90.1859, 0.3169, 0.3144



90.1859, 0.3360, 0.3431

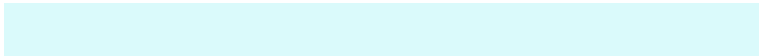


# Rectangle

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



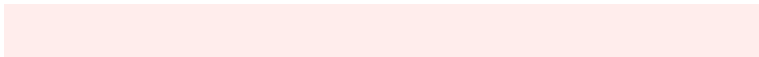
90.1859, 0.3082, 0.3443



90.1859, 0.2925, 0.3273



90.1859, 0.3169, 0.3144



90.1859, 0.3334, 0.3302

# Sweetspot

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



90.1897, 0.3082, 0.3443



98.2316, 0.3111, 0.3343



92.4167, 0.3214, 0.3500



20.9269, 0.3107, 0.3357



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.



90.1897, 0.3082, 0.3443



94.3644, 0.3073, 0.3474



90.8060, 0.3022, 0.3336



19.3912, 0.3076, 0.3464



36.5343, 0.2897, 0.5628



3.4012, 0.2832, 0.5396



# Inverse Universe

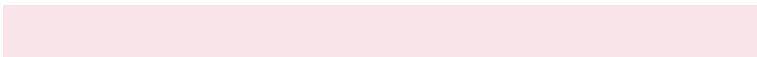
The Inverse Universe completely reimagines the original color for something new.



82.1047, 0.3175, 0.3142



84.3331, 0.3185, 0.3113



81.4934, 0.3243, 0.3245



17.4346, 0.3182, 0.3122



12.5162, 0.4099, 0.2032

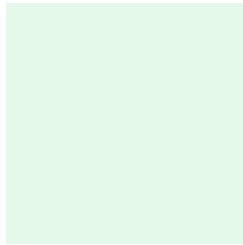


1.1775, 0.3968, 0.1959



# Previews

## White Background



This preview shows how the Yxy color 90.1859, 0.3082, 0.3443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

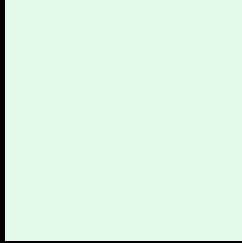
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1859, 0.3082, 0.3443 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

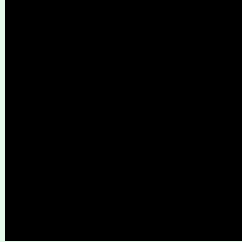
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

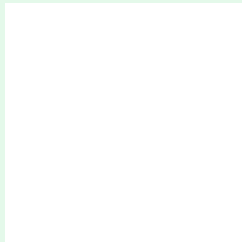
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.1859, 0.3082, 0.3443**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1859, 0.3082, 0.3443.

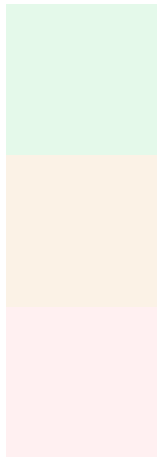


This preview shows how white text looks on a background with the Yxy color 90.1859, 0.3082, 0.3443.

# 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

90.1859, 0.3082, 0.3443

### Protanopia

89.7267, 0.3261, 0.3409

### Deuteranopia

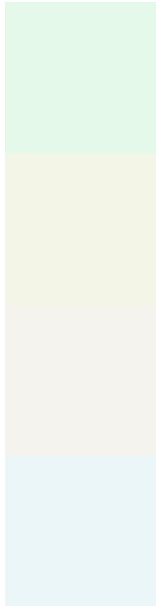
89.9311, 0.3220, 0.3281



## Tritanopia

90.0985, 0.3024, 0.3181

# Trichromacy



**Original Color**

90.1859, 0.3082, 0.3443

**Protanomaly**

90.1290, 0.3199, 0.3430

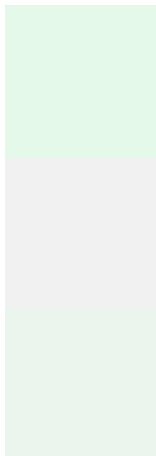
**Deuteranomaly**

89.6867, 0.3170, 0.3340

**Tritanomaly**

90.1194, 0.3045, 0.3280

# Monochromacy



**Original Color**

90.1859, 0.3082, 0.3443

**Achromatopsia**

87.9622, 0.3127, 0.3290

**Achromatomaly**

88.7073, 0.3111, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1859, 0.3082, 0.3443 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(228, 249, 234)` looks like.

```
.text, #text, p{  
    color:rgb(228, 249, 234)  
}
```

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(228, 249, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 249, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1859, 0.3082, 0.3443 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(228, 249, 234) }
```

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

```
.border{ border-color:rgb(228, 249, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 249, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 249, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 249, 234);  
box-shadow:4px 4px 4px 4px rgb(228, 249,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1859, 0.3082, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 249, 234) }
```

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

```
.background{ background-color: rgb(228,  
249, 234) }
```

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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