

# Converting Colors

$Yxy(88.8842, 0.3103, 0.3407)$

Have a look what the booklet for  
Yxy(88.8842, 0.3103, 0.3407)  
contains.

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# Color

**Yxy(89.0079, 0.3109, 0.3412)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8F6EA
RGB	232, 246, 234
RGB Percent	91%, 96%, 92%
CMY	0.0899, 0.0353, 0.0823
CMYK	0.06, 0.00, 0.05, 0.04
HSL	128°, 44%, 94%
HSV	128°, 6%, 96%
XYZ	81.1036, 89.0079, 90.7557
YIQ	240.4460, -4.4920, -6.7000

# Conversions

## Conversions Part 2

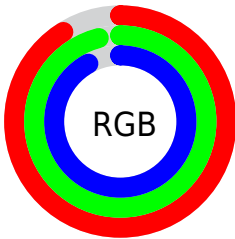
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 244, 246
Decimal	15267562
CIE <sub>Lab</sub>	95.58, -6.72, 4.16
CIE <sub>LCh</sub>	96, 7.904, 148.203
Y <sub>xy</sub>	89.0079, 0.3109, 0.3412
Android (android.graphics.Color)	4293457642 (0xFFE8F6EA)
Y <sub>UV</sub>	240.4460, -3.1779, -7.4071
Hunter-Lab	94.3440, -11.6529, 9.0058

# Details

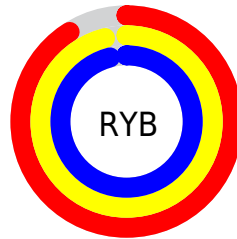
The Yxy color **89.0079, 0.3109, 0.3412** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8774, 0.3146, 0.3171**, and the grayscale version is **87.5441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2714, 0.3103, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **84.0327, 0.3076, 0.3651**, and if you desaturate by 10%, it is **94.3829, 0.3131, 0.3204**.

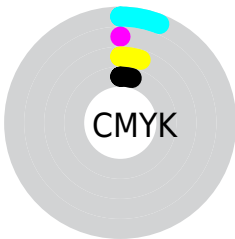
# Distribution



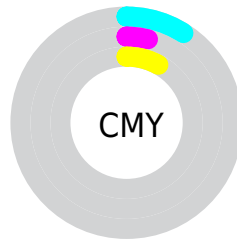
- Red (91%)
- Green (96%)
- Blue (92%)



- Red (91%)
- Yellow (96%)
- Blue (96%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0079, 0.3109, 0.3412 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 89.0079, 0.3109, 0.3412 by changing the saturation by 10% instead.




 89.0079, 0.3109,  
0.3412

 89.0079, 0.3109,  
0.3412

524.7983, 0.3117,  
0.3357

 67.1581, 0.3107,  
0.3424


145.9596, 0.3112,  
0.3393

 49.2131, 0.3105,  
0.3439


181.8302, 0.3113,  
0.3386

 34.7886, 0.3102,  
0.3458


223.1432, 0.3114,  
0.3379

 23.5001, 0.3098,  
0.3482

270.2831, 0.3115,  
0.3374

 14.9632, 0.3093,  
0.3514

323.6341, 0.3116,  
0.3369

 8.7935, 0.3085,  
0.3559

383.5807, 0.3116,

 4.6068, 0.3074,

0.3365

0.3627

450.5073, 0.3117,  
0.3361

■ 2.0184, 0.3054,  
0.3739

■ 0.6182, 0.2975,  
0.4342

■ 89.0079, 0.3109,  
0.3412

■ 89.0079, 0.3109,  
0.3412

■ 84.0327, 0.3076,  
0.3651

■ 94.3829, 0.3131,  
0.3204

■ 79.7463, 0.3043,  
0.3919

■ 76.1218, 0.3012,  
0.4214

■ 73.1258, 0.2984,  
0.4529

■ 70.7224, 0.2962,  
0.4852

■ 68.8719, 0.2948,  
0.5166

■ 67.5294, 0.2945,  
0.5450

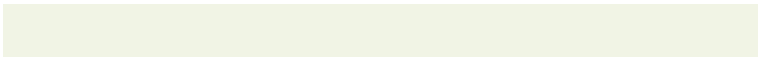
■ 66.6432, 0.2951,  
0.5685

■ 66.1502, 0.2967,  
0.5853

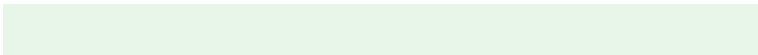
# Harmonies

## Analogous

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



89.0079, 0.3198, 0.3444



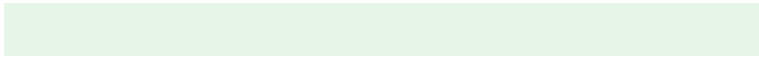
89.0079, 0.3109, 0.3412



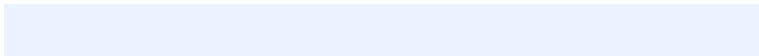
89.0079, 0.3026, 0.3346

# Triad

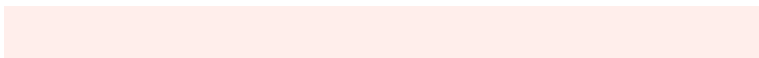
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0079, 0.3109, 0.3412



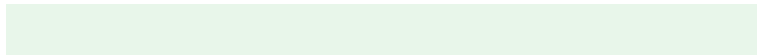
89.0079, 0.2987, 0.3147



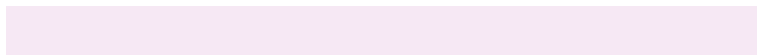
89.0079, 0.3287, 0.3312

# Complementary

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



89.0079, 0.3109, 0.3412



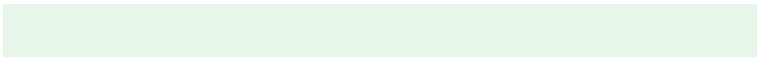
83.8774, 0.3146, 0.3171

# 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.



89.0079, 0.3229, 0.3235



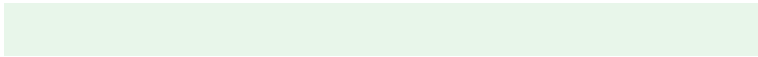
89.0079, 0.3109, 0.3412



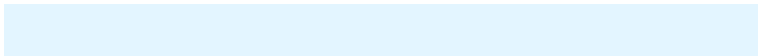
89.0079, 0.3055, 0.3140

# Square

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



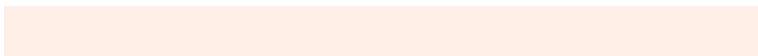
89.0079, 0.3109, 0.3412



89.0079, 0.2956, 0.3192



89.0079, 0.3144, 0.3173

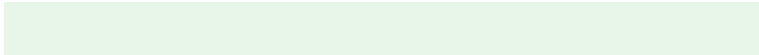


89.0079, 0.3302, 0.3385



# Rectangle

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



89.0079, 0.3109, 0.3412



89.0079, 0.2984, 0.3292



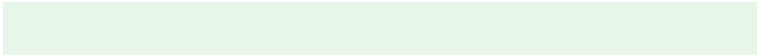
89.0079, 0.3144, 0.3173



89.0079, 0.3272, 0.3286

# Sweetspot

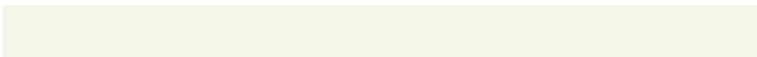
The Sweet Spot groups the original color and five complimentary colors.



89.0117, 0.3109, 0.3412



98.7661, 0.3121, 0.3332



90.9895, 0.3199, 0.3429



21.1529, 0.3121, 0.3330



0.0000, 0.0000, 0.0000

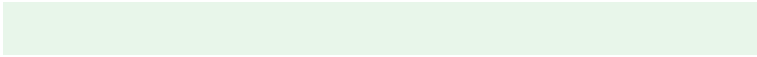


21.4041, 0.3127, 0.3290



# Same Dimension

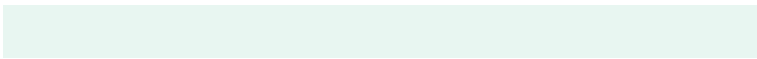
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0117, 0.3109, 0.3412



95.8203, 0.3105, 0.3443



89.4144, 0.3069, 0.3342



18.7166, 0.3103, 0.3456



35.2555, 0.2969, 0.5888



3.1100, 0.2918, 0.5704



# Inverse Universe

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



83.8774, 0.3146, 0.3171



88.9758, 0.3151, 0.3142



83.4677, 0.3189, 0.3239



17.2711, 0.3153, 0.3130



13.0019, 0.3597, 0.1755

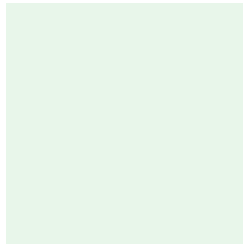


1.1535, 0.3541, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 89.0079, 0.3109, 0.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

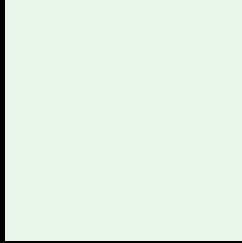
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0079, 0.3109, 0.3412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

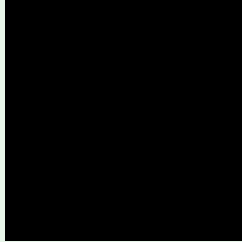
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

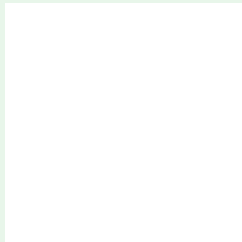
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.0079, 0.3109, 0.3412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0079, 0.3109, 0.3412.

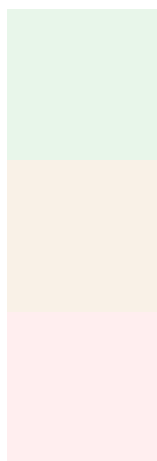


This preview shows how white text looks on a background with the Yxy color 89.0079, 0.3109, 0.3412.

# 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

89.0079, 0.3109, 0.3412

### Protanopia

88.8199, 0.3242, 0.3390

### Deuteranopia

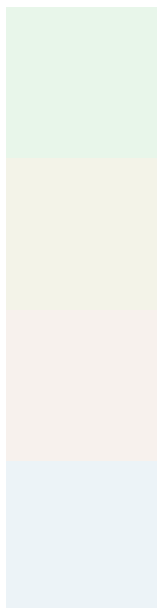
88.6411, 0.3234, 0.3281



## **Tritanopia**

88.9014, 0.3024, 0.3161

# Trichromacy



## Original Color

89.0079, 0.3109, 0.3412

## Protanomaly

88.9821, 0.3194, 0.3400

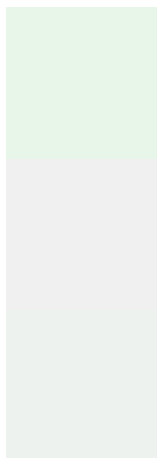
## Deuteranomaly

88.7992, 0.3191, 0.3330

## Tritanomaly

88.6495, 0.3058, 0.3250

# Monochromacy



## Original Color

89.0079, 0.3109, 0.3412

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.6818, 0.3119, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.0079, 0.3109, 0.3412 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(232, 246, 234)` looks like.

```
.text, #text, p{  
    color:rgb(232, 246, 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(232, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 246, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0079, 0.3109, 0.3412 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(232, 246, 234) }
```

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

```
.border{ border-color:rgb(232, 246, 234) }
```

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

Here you see how a box with a 4 pixel rgb(232, 246, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 246, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 246, 234);  
box-shadow:4px 4px 4px 4px rgb(232, 246,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0079, 0.3109, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 246, 234) }
```

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

```
.background{ background-color: rgb(232,  
246, 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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