

# Converting Colors

$Yxy(91.0879, 0.3106, 0.3425)$

Have a look what the booklet for  
Yxy(91.0879, 0.3106, 0.3425)  
contains.

<b>Yxy(91.1311, 0.3102, 0.3422)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(91.1311, 0.3102, 0.3422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F9EC
RGB	233, 249, 236
RGB Percent	91%, 98%, 93%
CMY	0.0864, 0.0235, 0.0746
CMYK	0.06, 0.00, 0.05, 0.02
HSL	131°, 57%, 95%
HSV	131°, 6%, 98%
XYZ	82.6092, 91.1311, 92.5692
YIQ	242.7340, -5.3630, -7.4350

# Conversions

## Conversions Part 2

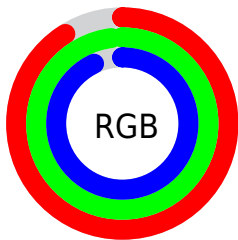
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 246, 249
Decimal	15333868
CIE Lab	96.46, -7.60, 4.44
CIE LCh	96, 8.797, 149.708
Yxy	91.1311, 0.3102, 0.3422
Android (android.graphics.Color)	4293523948 (0xFFE9F9EC)
YUV	242.7340, -3.3199, -8.5367
Hunter-Lab	95.4626, -12.5934, 9.3309

# Details

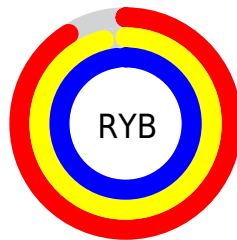
The Yxy color **91.1311, 0.3102, 0.3422** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.0591, 0.3153, 0.3161**, and the grayscale version is **89.4329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7823, 0.3095, 0.3459** is the 20% darker color. If you saturate the color by 10%, you get **86.1254, 0.3062, 0.3650**, and if you desaturate by 10%, it is **96.2418, 0.3130, 0.3233**.

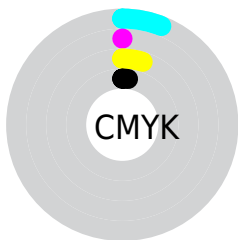
# Distribution



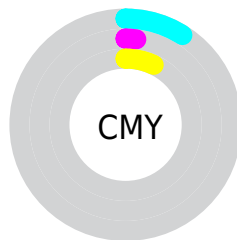
- Red (91%)
- Green (98%)
- Blue (93%)



- Red (91%)
- Yellow (96%)
- Blue (98%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)




- Cyan (9%)
- Magenta (2%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.1311, 0.3102, 0.3422 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 91.1311, 0.3102, 0.3422 by changing the saturation by 10% instead.



 91.1311, 0.3102,  
0.3422

 91.1311, 0.3102,  
0.3422


531.7034, 0.3114,  
0.3363

 68.9192, 0.3099,  
0.3435

148.9085, 0.3106,  
0.3402

 50.6459, 0.3096,  
0.3451


185.2428, 0.3108,  
0.3394

 35.9269, 0.3092,  
0.3471


227.0534, 0.3109,  
0.3387

 24.3777, 0.3087,  
0.3497

274.7245, 0.3110,  
0.3381

 15.6140, 0.3080,  
0.3531

328.6407, 0.3111,  
0.3376

 9.2515, 0.3070,  
0.3579

389.1864, 0.3112,

 4.9056, 0.3055,

0.3371

456.7458, 0.3113,  
0.3367

0.3650

■ 2.1920, 0.3029,  
0.3768

■ 0.7156, 0.2946,  
0.4261

■ 91.1311, 0.3102,  
0.3422

■ 91.1311, 0.3102,  
0.3422

■ 86.1254, 0.3062,  
0.3650

■ 96.2418, 0.3130,  
0.3233

■ 81.8114, 0.3024,  
0.3905

■ 78.1621, 0.2987,  
0.4185

■ 75.1441, 0.2956,  
0.4484

■ 72.7209, 0.2932,  
0.4793

■ 70.8526, 0.2918,  
0.5097

■ 69.4938, 0.2916,  
0.5376

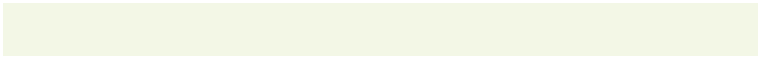
■ 68.5922, 0.2927,  
0.5613

■ 68.0830, 0.2949,  
0.5794

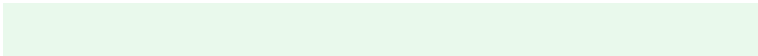
# Harmonies

## Analogous

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



91.1311, 0.3201, 0.3460



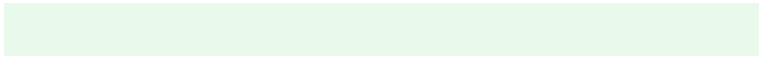
91.1311, 0.3102, 0.3422



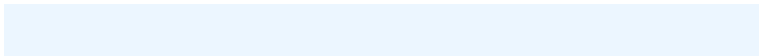
91.1311, 0.3011, 0.3347

# Triad

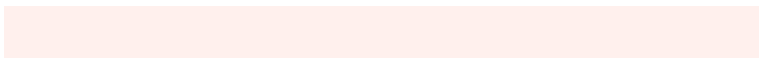
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.1311, 0.3102, 0.3422



91.1311, 0.2975, 0.3131



91.1311, 0.3306, 0.3319

# Complementary

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



91.1311, 0.3102, 0.3422



85.0591, 0.3153, 0.3161

# 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.



91.1311, 0.3244, 0.3233



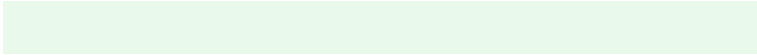
91.1311, 0.3102, 0.3422



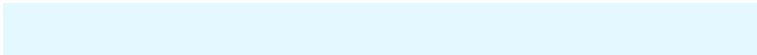
91.1311, 0.3052, 0.3126

# Square

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



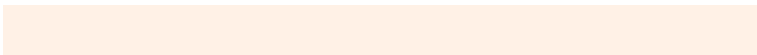
91.1311, 0.3102, 0.3422



91.1311, 0.2939, 0.3178



91.1311, 0.3150, 0.3163



91.1311, 0.3320, 0.3398



# Rectangle

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



91.1311, 0.3102, 0.3422



91.1311, 0.2967, 0.3287



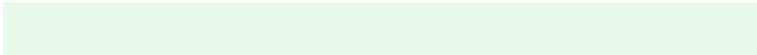
91.1311, 0.3150, 0.3163



91.1311, 0.3290, 0.3290

# Sweetspot

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



91.1350, 0.3102, 0.3422



98.7813, 0.3119, 0.3330



93.2498, 0.3204, 0.3449



21.1560, 0.3120, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

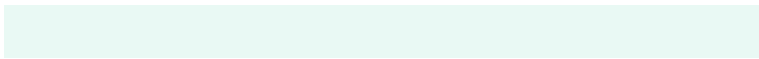
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.1350, 0.3102, 0.3422



95.3115, 0.3096, 0.3456



91.6083, 0.3056, 0.3341



19.3622, 0.3090, 0.3489



36.3892, 0.2951, 0.5823



3.3841, 0.2895, 0.5623



# Inverse Universe

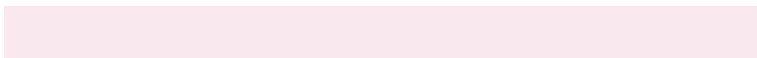
The Inverse Universe completely reimagines the original color for something new.



85.0591, 0.3153, 0.3161



87.4247, 0.3160, 0.3130



84.5803, 0.3204, 0.3240



17.4656, 0.3167, 0.3099



13.0945, 0.3748, 0.1838

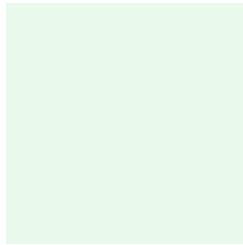


1.2267, 0.3672, 0.1796



# Previews

## White Background



This preview shows how the Yxy color 91.1311, 0.3102, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

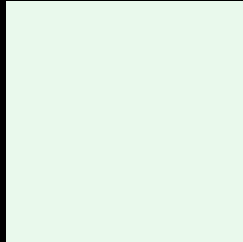
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.1311, 0.3102, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

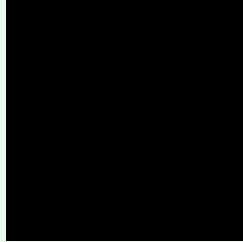
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

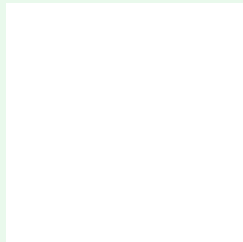
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.1311, 0.3102, 0.3422**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.1311, 0.3102, 0.3422.

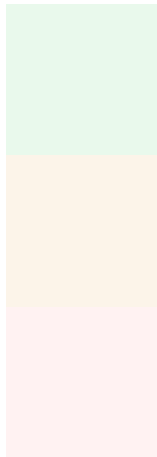


This preview shows how white text looks on a background with the Yxy color 91.1311, 0.3102, 0.3422.

# 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

91.1311, 0.3102, 0.3422

### Protanopia

91.2800, 0.3247, 0.3398

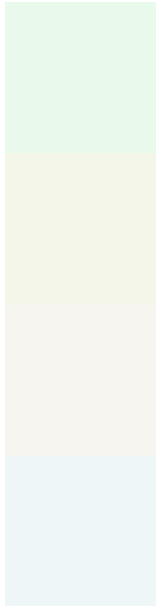
### Deuteranopia

91.1751, 0.3212, 0.3290

## Tritanopia

91.2256, 0.3043, 0.3192

# Trichromacy



## Original Color

91.1311, 0.3102, 0.3422

## Protanomaly

91.2645, 0.3193, 0.3409

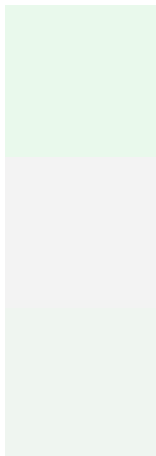
## Deuteranomaly

91.3702, 0.3170, 0.3339

## Tritanomaly

90.8660, 0.3065, 0.3270

# Monochromacy



## Original Color

91.1311, 0.3102, 0.3422

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.9468, 0.3118, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.1311, 0.3102, 0.3422 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(233, 249, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 249, 236)  
}
```

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(233, 249, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 249, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 91.1311, 0.3102, 0.3422 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(233, 249, 236) }
```

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

```
.border{ border-color:rgb(233, 249, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 249, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 249, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 249, 236);  
box-shadow:4px 4px 4px 4px rgb(233, 249,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.1311, 0.3102, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 249, 236) }
```

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

```
.background{ background-color: rgb(233,  
249, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor