

# Converting Colors

$Yxy(91.5422, 0.3138, 0.3597)$

Have a look what the booklet for  
Yxy(91.5422, 0.3138, 0.3597)  
contains.

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# Color

**Yxy(91.9092, 0.3138, 0.3599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FDDF
RGB	227, 253, 223
RGB Percent	89%, 99%, 87%
CMY	0.1096, 0.0079, 0.1255
CMYK	0.10, 0.00, 0.12, 0.01
HSL	112°, 88%, 93%
HSV	112°, 12%, 99%
XYZ	80.1364, 91.9092, 83.3286
YIQ	241.8060, -5.8660, -14.8420

# Conversions

## Conversions Part 2

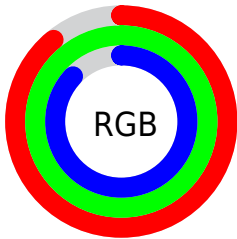
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	223, 253, 249
Decimal	14941663
CIE <sub>Lab</sub>	96.78, -13.78, 11.51
CIE <sub>LCh</sub>	97, 17.958, 140.121
Yxy	91.9092, 0.3138, 0.3599
Android (android.graphics.Color)	4293131743 (0xFFE3FDDF)
YUV	241.8060, -9.2714, -12.9849
Hunter-Lab	95.8693, -18.5644, 15.5742

# Details

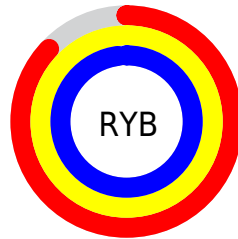
The Yxy color **91.9092, 0.3138, 0.3599** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.9954, 0.3113, 0.2995**, and the grayscale version is **88.7195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9649, 0.3133, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **87.3134, 0.3145, 0.3894**, and if you desaturate by 10%, it is **97.1688, 0.3129, 0.3335**.

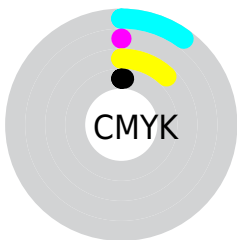
# Distribution



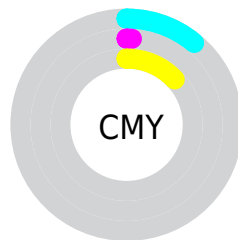
- Red (89%)
- Green (99%)
- Blue (87%)



- Red (87%)
- Yellow (99%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)




- Cyan (11%)
- Magenta (1%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.9092, 0.3138, 0.3599 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 91.9092, 0.3138, 0.3599 by changing the saturation by 10% instead.



 91.9092, 0.3138,  
0.3599

 91.9092, 0.3138,  
0.3599

534.2220, 0.3135,  
0.3459

 69.5652, 0.3138,  
0.3630


149.9875, 0.3137,  
0.3551

 51.1722, 0.3139,  
0.3669

186.4907, 0.3137,  
0.3532

 36.3456, 0.3139,  
0.3717


228.4823, 0.3136,  
0.3516

 24.7013, 0.3139,  
0.3779

276.3469, 0.3136,  
0.3502

 15.8546, 0.3138,  
0.3862

330.4687, 0.3136,  
0.3489

 9.4213, 0.3135,  
0.3978

391.2323, 0.3135,

 5.0170, 0.3128,

0.3478

0.4154

459.0219, 0.3135,  
0.3468

■ 2.2572, 0.3107,  
0.4448

■ 0.7509, 0.3307,  
0.6582

■ 91.9092, 0.3138,  
0.3599

■ 91.9092, 0.3138,  
0.3599

■ 87.3134, 0.3145,  
0.3894

■ 97.1688, 0.3129,  
0.3335

■ 83.3436, 0.3148,  
0.4218

■ 98.7250, 0.3128,  
0.3271

■ 79.9763, 0.3147,  
0.4561

■ 77.1817, 0.3140,  
0.4910

■ 74.9275, 0.3127,  
0.5243

■ 73.1783, 0.3106,  
0.5535

■ 71.8941, 0.3081,  
0.5763

■ 71.0288, 0.3052,  
0.5911

■ 70.5888, 0.3030,  
0.5976

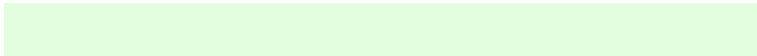
# Harmonies

## Analogous

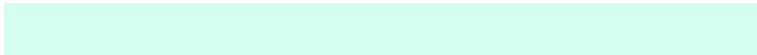
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9092, 0.3333, 0.3644



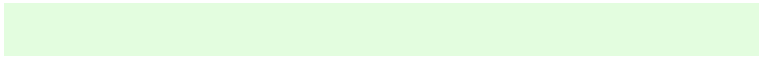
91.9092, 0.3138, 0.3599



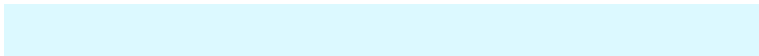
91.9092, 0.2944, 0.3462

# Triad

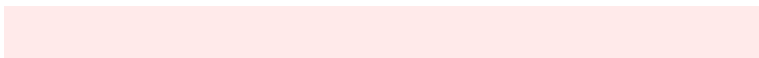
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.9092, 0.3138, 0.3599



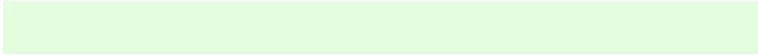
91.9092, 0.2787, 0.2988



91.9092, 0.3462, 0.3288

# Complementary

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



91.9092, 0.3138, 0.3599



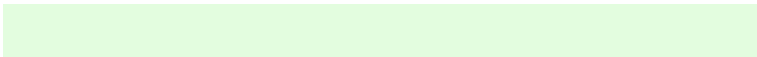
79.9954, 0.3113, 0.2995

# 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.



91.9092, 0.3307, 0.3126



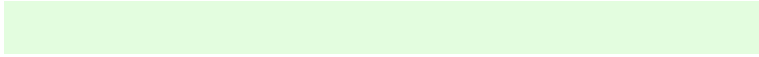
91.9092, 0.3138, 0.3599



91.9092, 0.2917, 0.2955

# Square

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



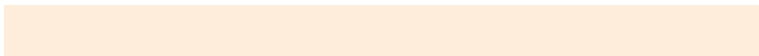
91.9092, 0.3138, 0.3599



91.9092, 0.2746, 0.3104



91.9092, 0.3106, 0.3005

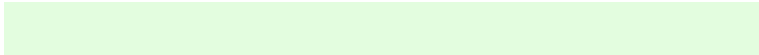


91.9092, 0.3524, 0.3457

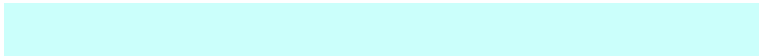


# Rectangle

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



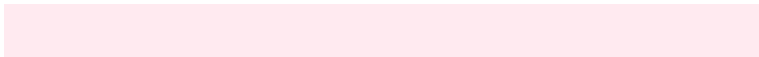
91.9092, 0.3138, 0.3599



91.9092, 0.2841, 0.3341



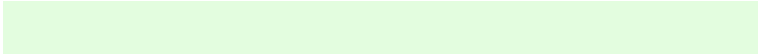
91.9092, 0.3106, 0.3005



91.9092, 0.3419, 0.3231

# Sweetspot

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



91.9131, 0.3138, 0.3599



97.7257, 0.3131, 0.3389



93.6470, 0.3310, 0.3541



20.8284, 0.3132, 0.3409



0.0000, 0.0000, 0.0000

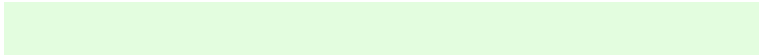


21.4041, 0.3127, 0.3290

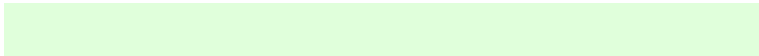


# Same Dimension

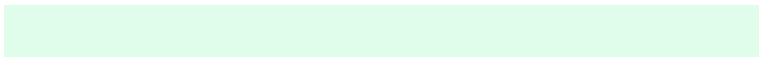
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9131, 0.3138, 0.3599



92.5182, 0.3140, 0.3660



91.8449, 0.3053, 0.3490



20.2859, 0.3136, 0.3534



37.5886, 0.3036, 0.5972



3.6943, 0.3092, 0.5927



# Inverse Universe

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



79.9954, 0.3113, 0.2995



78.3954, 0.3110, 0.2939



80.0979, 0.3210, 0.3098



18.1685, 0.3116, 0.3054



11.8129, 0.2869, 0.1354

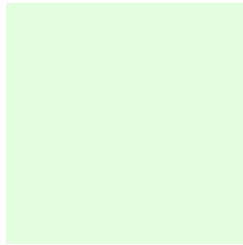


1.1831, 0.2910, 0.1377



# Previews

## White Background



This preview shows how the Yxy color 91.9092, 0.3138, 0.3599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

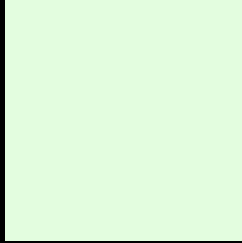
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.9092, 0.3138, 0.3599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

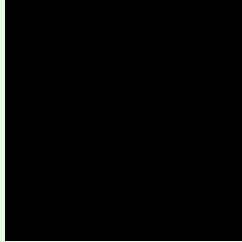
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

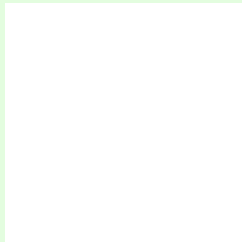
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.9092, 0.3138, 0.3599**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9092, 0.3138, 0.3599.

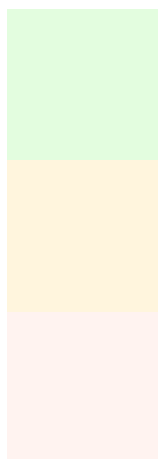


This preview shows how white text looks on a background with the Yxy color 91.9092, 0.3138, 0.3599.

# 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

91.9092, 0.3138, 0.3599

### Protanopia

91.7853, 0.3341, 0.3527

### Deuteranopia

91.6525, 0.3224, 0.3319

## **Tritanopia**

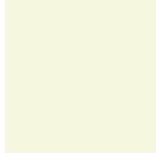
91.6568, 0.3037, 0.3201

# Trichromacy



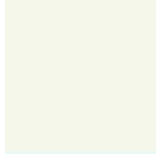
## Original Color

91.9092, 0.3138, 0.3599



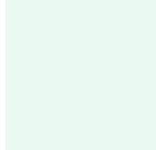
## Protanomaly

91.8212, 0.3264, 0.3551



## Deuteranomaly

91.8745, 0.3192, 0.3419



## Tritanomaly

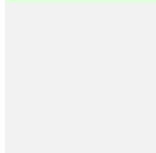
91.8846, 0.3074, 0.3350

# Monochromacy



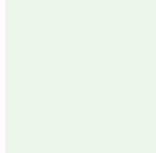
## Original Color

91.9092, 0.3138, 0.3599



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

89.9142, 0.3135, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.9092, 0.3138, 0.3599 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(227, 253, 223)` looks like.

```
.text, #text, p{  
    color:rgb(227, 253, 223)  
}
```

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(227, 253, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 253, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9092, 0.3138, 0.3599 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(227, 253, 223) }
```

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

```
.border{ border-color:rgb(227, 253, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 253, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 253, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 253, 223);  
box-shadow:4px 4px 4px 4px rgb(227, 253,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9092, 0.3138, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 253, 223) }
```

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

```
.background{ background-color: rgb(227,  
253, 223) }
```

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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