

# Converting Colors

$Yxy(93.7136, 0.3107, 0.3551)$

Have a look what the booklet for  
Yxy(93.7136, 0.3107, 0.3551)  
contains.

<b>Yxy(93.6711, 0.3109, 0.3555)</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(93.6711, 0.3109, 0.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFE5
RGB	228, 255, 229
RGB Percent	89%, 100%, 90%
CMY	0.1055, 0.0001, 0.1019
CMYK	0.11, 0.00, 0.10, 0.00
HSL	122°, 100%, 95%
HSV	122°, 11%, 100%
XYZ	81.9194, 93.6711, 87.9006
YIQ	243.9630, -7.7460, -13.8100

# Conversions

## Conversions Part 2

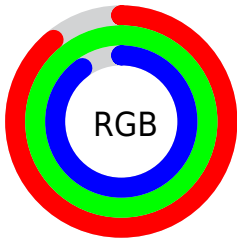
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 254, 255
Decimal	15007717
CIE <sub>Lab</sub>	97.50, -13.39, 9.46
CIE <sub>LCh</sub>	97, 16.396, 144.752
Yxy	93.6711, 0.3109, 0.3555
Android (android.graphics.Color)	4293197797 (0xFFE4FFE5)
YUV	243.9630, -7.3768, -13.9996
Hunter-Lab	96.7838, -18.2864, 13.9005

# Details

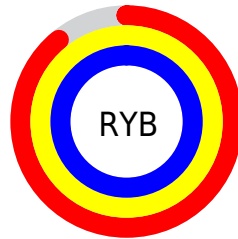
The Yxy color **93.6711, 0.3109, 0.3555** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.9509, 0.3145, 0.3039**, and the grayscale version is **90.5145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2148, 0.3097, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **88.5264, 0.3090, 0.3841**, and if you desaturate by 10%, it is **99.6339, 0.3126, 0.3303**.

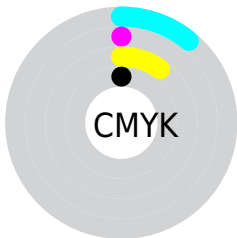
# Distribution



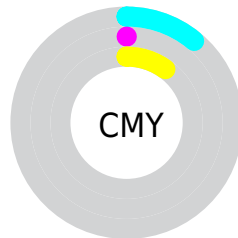
- Red (89%)
- Green (100%)
- Blue (90%)



- Red (89%)
- Yellow (100%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6711, 0.3109, 0.3555 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 93.6711, 0.3109, 0.3555 by changing the saturation by 10% instead.



 93.6711, 0.3109,  
0.3555

 93.6711, 0.3109,  
0.3555


539.9018, 0.3118,  
0.3436

 71.0294, 0.3107,  
0.3582


152.4274, 0.3112,  
0.3514

 52.3662, 0.3104,  
0.3614


189.3108, 0.3114,  
0.3498

 37.2971, 0.3100,  
0.3655


231.7103, 0.3115,  
0.3484

 25.4376, 0.3095,  
0.3707

280.0101, 0.3116,  
0.3472

 16.4034, 0.3088,  
0.3777

334.5948, 0.3116,  
0.3461

 9.8100, 0.3077,  
0.3874

395.8488, 0.3117,

 5.2732, 0.3059,

0.3452

0.4020

464.1563, 0.3118,  
0.3443

■ 2.4084, 0.3025,  
0.4262

■ 0.8302, 0.3011,  
0.5409

■ 93.6711, 0.3109,  
0.3555

■ 93.6711, 0.3109,  
0.3555

■ 88.5264, 0.3090,  
0.3841

99.6339, 0.3126,  
0.3303

■ 84.1528, 0.3071,  
0.4160


99.9889, 0.3127,  
0.3290


■ 80.5168, 0.3051,  
0.4503


■ 77.5778, 0.3032,  
0.4856

 75.2912, 0.3016,  
0.5199

 73.6072, 0.3004,  
0.5505

 72.4691, 0.2997,  
0.5748

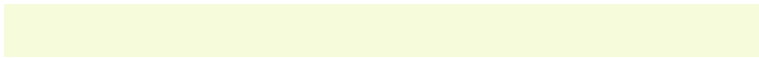
 71.8089, 0.2995,  
0.5909

 71.5281, 0.2996,  
0.5985

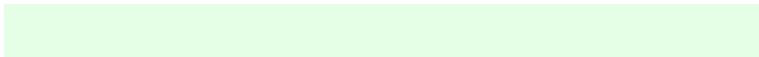
# Harmonies

## Analogous

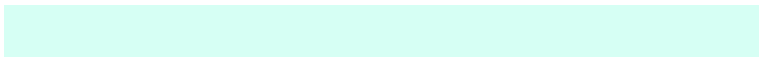
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6711, 0.3289, 0.3610



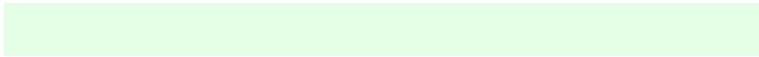
93.6711, 0.3109, 0.3555



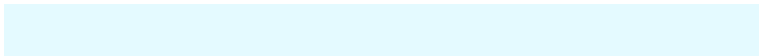
93.6711, 0.2937, 0.3422

# Triad

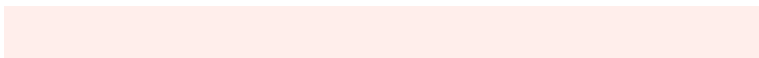
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.6711, 0.3109, 0.3555



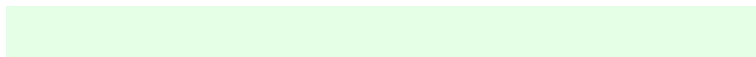
93.6711, 0.2831, 0.3006



93.6711, 0.3446, 0.3313

# Complementary

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



93.6711, 0.3109, 0.3555



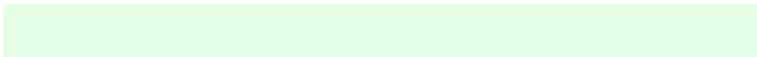
83.9509, 0.3145, 0.3039

# 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.



93.6711, 0.3316, 0.3162



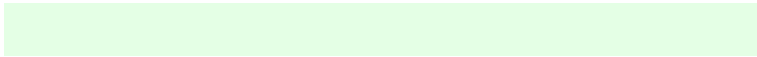
93.6711, 0.3109, 0.3555



93.6711, 0.2960, 0.2987

# Square

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



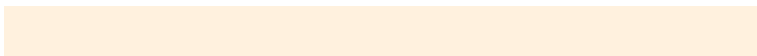
93.6711, 0.3109, 0.3555



93.6711, 0.2780, 0.3101



93.6711, 0.3137, 0.3044

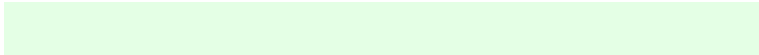


93.6711, 0.3487, 0.3464



# Rectangle

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



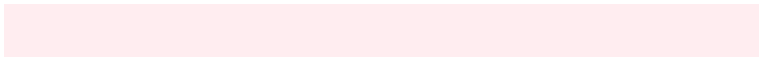
93.6711, 0.3109, 0.3555



93.6711, 0.2850, 0.3310



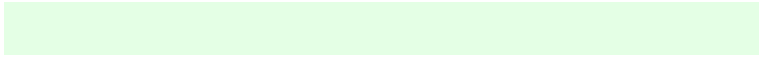
93.6711, 0.3137, 0.3044



93.6711, 0.3411, 0.3261

# Sweetspot

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



93.6751, 0.3109, 0.3555



98.1112, 0.3122, 0.3362



98.2022, 0.3279, 0.3551



20.8945, 0.3121, 0.3381



0.0000, 0.0000, 0.0000

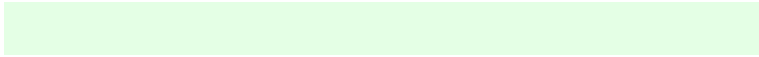


21.4041, 0.3127, 0.3290

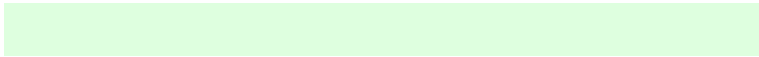


# Same Dimension

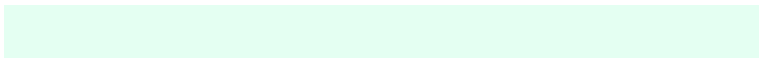
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6751, 0.3109, 0.3555



92.3532, 0.3105, 0.3622



94.4539, 0.3033, 0.3416



20.1783, 0.3111, 0.3527



37.3852, 0.2994, 0.5979



3.6435, 0.2980, 0.5929



# Inverse Universe

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



83.9509, 0.3145, 0.3039



80.5695, 0.3150, 0.2979



83.1209, 0.3232, 0.3167



18.2889, 0.3143, 0.3064



14.5972, 0.3297, 0.1590

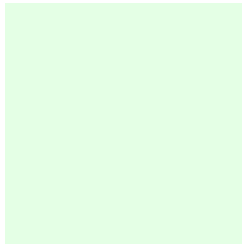


1.4245, 0.3287, 0.1584



# Previews

## White Background



This preview shows how the Yxy color 93.6711, 0.3109, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

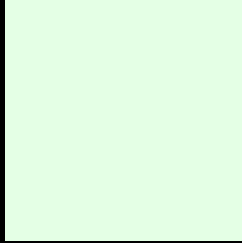
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6711, 0.3109, 0.3555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

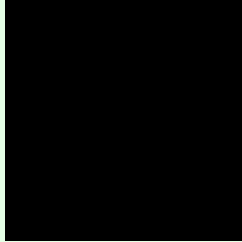
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

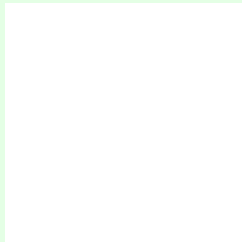
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.6711, 0.3109, 0.3555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6711, 0.3109, 0.3555.

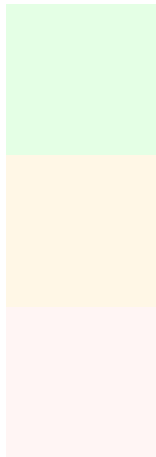


This preview shows how white text looks on a background with the Yxy color 93.6711, 0.3109, 0.3555.

# 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

93.6711, 0.3109, 0.3555

### Protanopia

93.4947, 0.3282, 0.3456

### Deuteranopia

93.0965, 0.3198, 0.3300

## **Tritanopia**

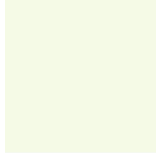
93.4095, 0.3055, 0.3221

# Trichromacy



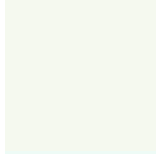
## Original Color

93.6711, 0.3109, 0.3555



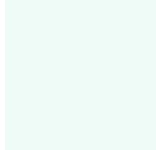
## Protanomaly

93.4969, 0.3214, 0.3489



## Deuteranomaly

93.3958, 0.3161, 0.3389



## Tritanomaly

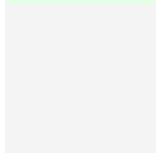
93.8253, 0.3075, 0.3339

# Monochromacy



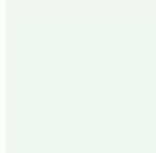
## Original Color

93.6711, 0.3109, 0.3555



## Achromatopsia

90.4661, 0.3127, 0.3290



## Achromatomaly

91.5439, 0.3117, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6711, 0.3109, 0.3555 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, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 229)  
}
```

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, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6711, 0.3109, 0.3555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

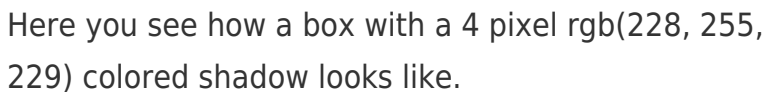
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 255, 229) }
```

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

```
.border{ border-color:rgb(228, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 255, 229); box-shadow:4px 4px 4px 4px rgb(228, 255, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6711, 0.3109, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 229) }
```

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

```
.background{ background-color: rgb(228,  
255, 229) }
```

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