

# Converting Colors

$Yxy(94.5891, 0.3057, 0.3539)$

Have a look what the booklet for  
Yxy(94.5891, 0.3057, 0.3539)  
contains.

<b>Yxy(93.0912, 0.3055, 0.3516)</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(93.0912, 0.3055, 0.3516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFFE9
RGB	223, 255, 233
RGB Percent	87%, 100%, 91%
CMY	0.1257, 0.0000, 0.0863
CMYK	0.13, 0.00, 0.09, 0.00
HSL	139°, 100%, 94%
HSV	139°, 13%, 100%
XYZ	80.8856, 93.0912, 90.7877
YIQ	242.9240, -12.0100, -13.6260

# Conversions

## Conversions Part 2

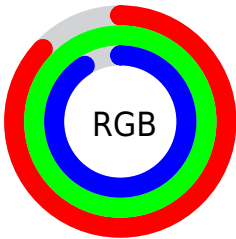
Format	Color
R <sub>Y</sub> B	223, 247, 255
Decimal	14680041
CIE Lab	97.26, -14.39, 7.04
CIE LCh	97, 16.019, 153.926
Yxy	93.0912, 0.3055, 0.3516
Android (android.graphics.Color)	4292870121 (0xFFDFFFE9)
YUV	242.9240, -4.8925, -17.4733
Hunter-Lab	96.4838, -19.2041, 11.7489

# Details

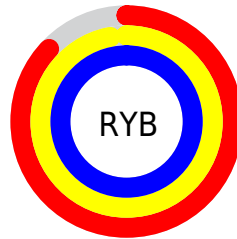
The Yxy color **93.0912, 0.3055, 0.3516** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5967, 0.3208, 0.3074**, and the grayscale version is **89.5960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8873, 0.3044, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **88.3818, 0.2999, 0.3721**, and if you desaturate by 10%, it is **98.4917, 0.3112, 0.3333**.

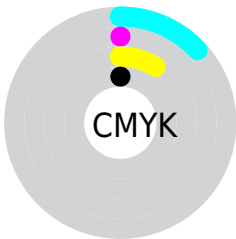
# Distribution



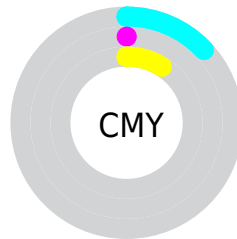
- Red (87%)
- Green (100%)
- Blue (91%)



- Red (87%)
- Yellow (97%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0912, 0.3055, 0.3516 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 93.0912, 0.3055, 0.3516 by changing the saturation by 10% instead.



 93.0912, 0.3055,  
0.3516

 93.0912, 0.3055,  
0.3516

538.0359, 0.3088,  
0.3414

 70.5473, 0.3048,  
0.3539

151.6249, 0.3066,  
0.3481

 51.9729, 0.3039,  
0.3566


188.3834, 0.3071,  
0.3468

 36.9834, 0.3027,  
0.3601


230.6490, 0.3075,  
0.3456

 25.1947, 0.3013,  
0.3646

278.8060, 0.3078,  
0.3445

 16.2221, 0.2993,  
0.3705

333.2388, 0.3081,  
0.3436

 9.6815, 0.2965,  
0.3788

394.3318, 0.3083,

 5.1883, 0.2923,

0.3428

0.3913

462.4694, 0.3086,  
0.3421

■ 2.3582, 0.2851,  
0.4120

■ 0.8042, 0.2581,  
0.5024

■ 93.0912, 0.3055,  
0.3516

■ 93.0912, 0.3055,  
0.3516

■ 88.3818, 0.2999,  
0.3721

■ 98.4917, 0.3112,  
0.3333

■ 84.3605, 0.2946,  
0.3948

100.0000, 0.3127,  
0.3290

■ 80.9862, 0.2899,  
0.4195

■ 78.2238, 0.2862,  
0.4456

■ 76.0349, 0.2838,  
0.4724

■ 74.3769, 0.2829,  
0.4989

■ 73.2005, 0.2837,  
0.5237

■ 72.4467, 0.2862,  
0.5457

■ 72.0978, 0.2888,  
0.5596

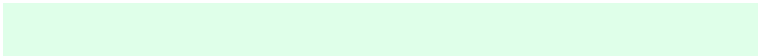
# Harmonies

## Analogous

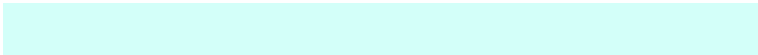
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0912, 0.3234, 0.3596



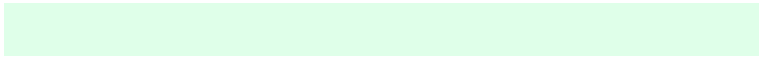
93.0912, 0.3055, 0.3516



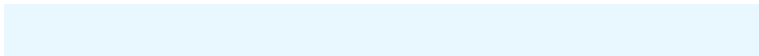
93.0912, 0.2899, 0.3370

# Triad

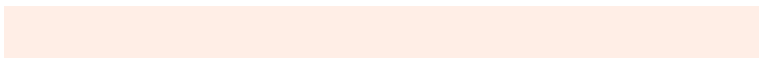
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.0912, 0.3055, 0.3516



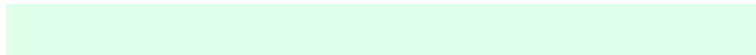
93.0912, 0.2869, 0.2998



93.0912, 0.3462, 0.3360

# Complementary

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



93.0912, 0.3055, 0.3516



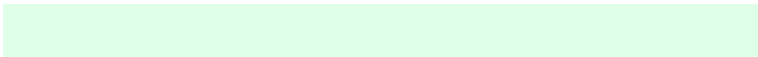
80.5967, 0.3208, 0.3074

# 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.



93.0912, 0.3358, 0.3208



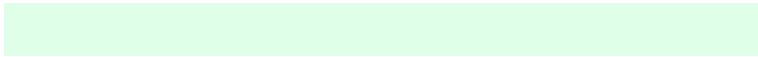
93.0912, 0.3055, 0.3516



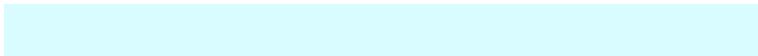
93.0912, 0.3014, 0.3003

# Square

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



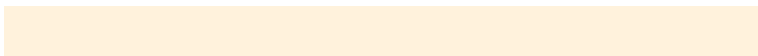
93.0912, 0.3055, 0.3516



93.0912, 0.2793, 0.3070



93.0912, 0.3193, 0.3079

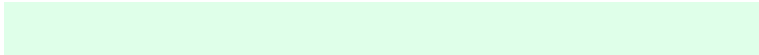


93.0912, 0.3472, 0.3499



# Rectangle

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



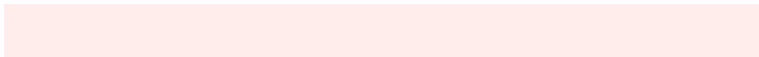
93.0912, 0.3055, 0.3516



93.0912, 0.2827, 0.3259



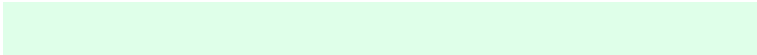
93.0912, 0.3193, 0.3079



93.0912, 0.3436, 0.3309

# Sweetspot

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



93.0822, 0.3055, 0.3516



97.6736, 0.3104, 0.3358



96.3265, 0.3254, 0.3608



20.8153, 0.3100, 0.3371



0.0000, 0.0000, 0.0000

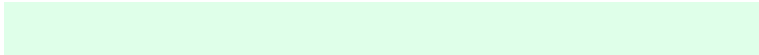


21.4041, 0.3127, 0.3290

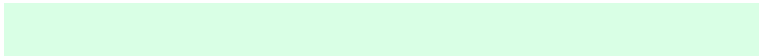


# Same Dimension

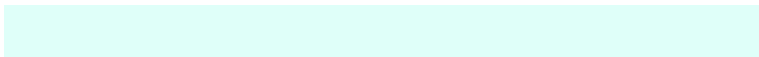
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0822, 0.3055, 0.3516



91.8758, 0.3041, 0.3564



94.0135, 0.2969, 0.3354



20.2619, 0.3073, 0.3458



37.6962, 0.2880, 0.5567



3.6891, 0.2817, 0.5343



# Inverse Universe

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



80.5967, 0.3208, 0.3074



77.2288, 0.3225, 0.3031



79.6840, 0.3313, 0.3227



18.1978, 0.3186, 0.3128



12.7562, 0.4200, 0.2087

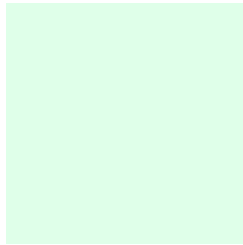


1.2618, 0.4058, 0.2009



# Previews

## White Background



This preview shows how the Yxy color 93.0912, 0.3055, 0.3516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

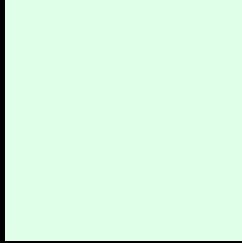
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.0912, 0.3055, 0.3516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

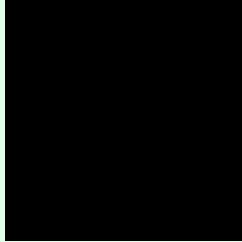
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

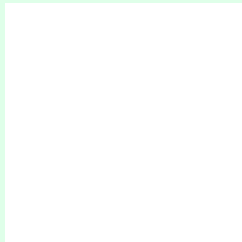
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.0912, 0.3055, 0.3516**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.0912, 0.3055, 0.3516.

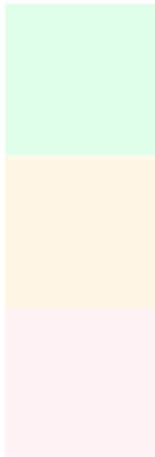


This preview shows how white text looks on a background with the Yxy color 93.0912, 0.3055, 0.3516.

# 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

93.0912, 0.3055, 0.3516

### Protanopia

92.8287, 0.3289, 0.3457

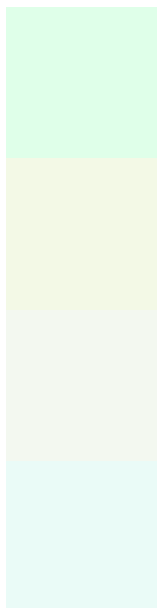
### Deuteranopia

92.4930, 0.3199, 0.3290

## **Tritanopia**

93.0556, 0.3042, 0.3221

# Trichromacy



## Original Color

93.0912, 0.3055, 0.3516

## Protanomaly

92.5192, 0.3202, 0.3480

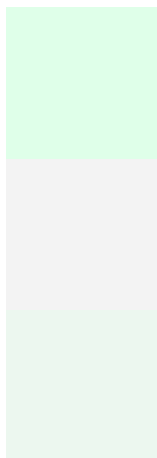
## Deuteranomaly

92.4808, 0.3143, 0.3369

## Tritanomaly

93.2022, 0.3044, 0.3330

# Monochromacy



## Original Color

93.0912, 0.3055, 0.3516

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

90.5864, 0.3104, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.0912, 0.3055, 0.3516 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(223, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 233)  
}
```

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(223, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 93.0912, 0.3055, 0.3516 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(223, 255, 233) }
```

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

```
.border{ border-color:rgb(223, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.0912, 0.3055, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 233) }
```

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

```
.background{ background-color: rgb(223,  
255, 233) }
```

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