

Converting Colors

$Y_{xy}(100.0000, 0.3102, 0.3632)$

Have a look what the booklet for
Yxy(100.0000, 0.3102, 0.3632)
contains.

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Color

Yxy(93.8912, 0.3109, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFE6
RGB	229, 255, 230
RGB Percent	90%, 100%, 90%
CMY	0.1021, 0.0000, 0.0982
CMYK	0.10, 0.00, 0.10, 0.00
HSL	122°, 100%, 95%
HSV	122°, 10%, 100%
XYZ	82.3435, 93.8912, 88.6206
YIQ	244.3760, -7.4710, -13.2870

Conversions

Conversions Part 2

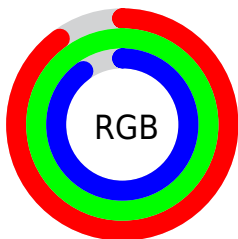
Format	Color
R_{YB}	229, 254, 255
Decimal	15073254
CIE _{Lab}	97.59, -12.95, 9.11
CIE _{LCh}	98, 15.835, 144.886
Yxy	93.8912, 0.3109, 0.3545
Android (android.graphics.Color)	4293263334 (0xFFE5FFE6)
YUV	244.3760, -7.0874, -13.4848
Hunter-Lab	96.8975, -17.8812, 13.6027

Details

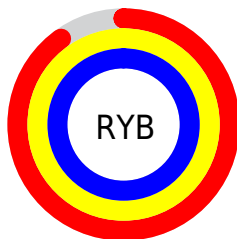
The Yxy color **93.8912, 0.3109, 0.3545** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.4348, 0.3145, 0.3048**, and the grayscale version is **90.8334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3284, 0.3105, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **88.7114, 0.3090, 0.3829**, and if you desaturate by 10%, it is **99.8656, 0.3127, 0.3295**.

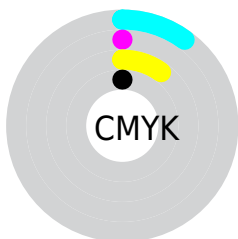
Distribution



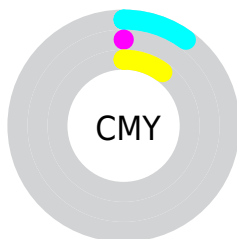
- Red (90%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8912, 0.3109, 0.3545 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 93.8912, 0.3109, 0.3545 by changing the saturation by 10% instead.


 93.8912, 0.3109,
0.3545

 93.8912, 0.3109,
0.3545


540.6092, 0.3118,
0.3430

 71.2125, 0.3107,
0.3571


152.7319, 0.3112,
0.3506

 52.5156, 0.3104,
0.3602


189.6626, 0.3113,
0.3490

 37.4162, 0.3100,
0.3641


232.1127, 0.3115,
0.3477

 25.5299, 0.3095,
0.3691

280.4668, 0.3115,
0.3465

 16.4723, 0.3089,
0.3757

335.1090, 0.3116,
0.3455

 9.8590, 0.3078,
0.3851

396.4239, 0.3117,

 5.3056, 0.3061,

0.3446

0.3990

464.7958, 0.3118,
0.3438

■ 2.4276, 0.3029,
0.4221

■ 0.8401, 0.3014,
0.5250

■ 93.8912, 0.3109,
0.3545

■ 93.8912, 0.3109,
0.3545

■ 88.7114, 0.3090,
0.3829

99.8656, 0.3127,
0.3295

■ 84.3142, 0.3070,
0.4145

100.0000, 0.3127,
0.3290

■ 80.6547, 0.3050,
0.4486

■ 77.6924, 0.3031,
0.4838

■ 75.3831, 0.3014,
0.5181

■ 73.6775, 0.3002,
0.5489

■ 72.5190, 0.2995,
0.5735

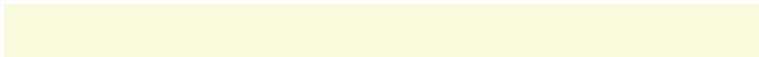
■ 71.8407, 0.2994,
0.5902

■ 71.5415, 0.2995,
0.5984

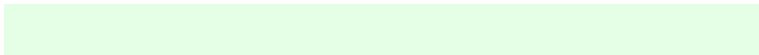
Harmonies

Analogous

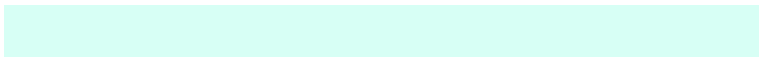
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8912, 0.3283, 0.3599



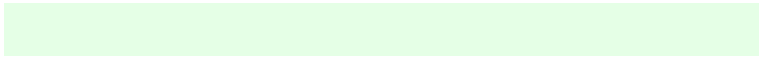
93.8912, 0.3109, 0.3545



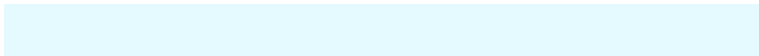
93.8912, 0.2943, 0.3416

Triad

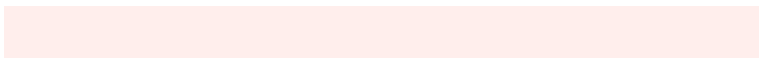
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8912, 0.3109, 0.3545



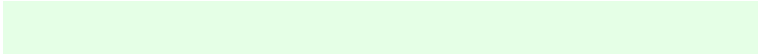
93.8912, 0.2842, 0.3016



93.8912, 0.3435, 0.3313

Complementary

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



93.8912, 0.3109, 0.3545



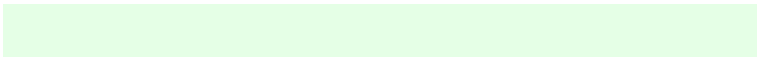
84.4348, 0.3145, 0.3048

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.



93.8912, 0.3310, 0.3167



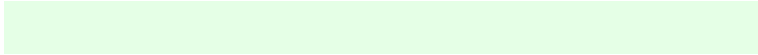
93.8912, 0.3109, 0.3545



93.8912, 0.2967, 0.2997

Square

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



93.8912, 0.3109, 0.3545



93.8912, 0.2792, 0.3108



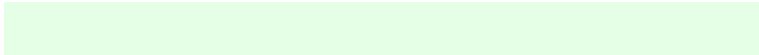
93.8912, 0.3138, 0.3053



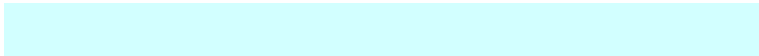
93.8912, 0.3474, 0.3459

Rectangle

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



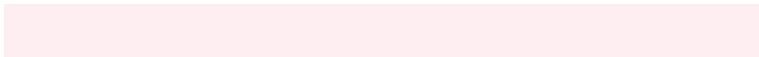
93.8912, 0.3109, 0.3545



93.8912, 0.2859, 0.3309



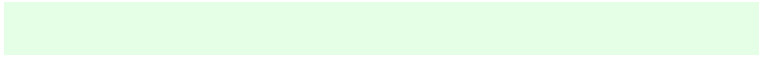
93.8912, 0.3138, 0.3053



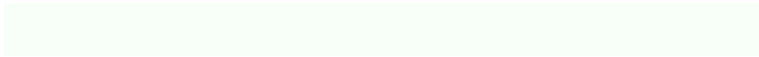
93.8912, 0.3401, 0.3263

Sweetspot

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



93.8836, 0.3109, 0.3545



98.1131, 0.3122, 0.3361



98.2710, 0.3274, 0.3543



20.8950, 0.3121, 0.3381



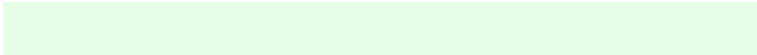
0.0000, 0.0000, 0.0000



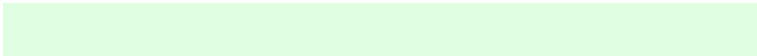
21.4041, 0.3127, 0.3290

Same Dimension

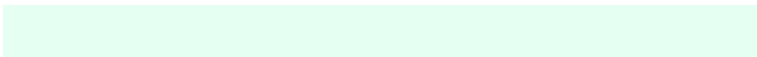
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8836, 0.3109, 0.3545



92.8992, 0.3106, 0.3593



94.6343, 0.3036, 0.3412



20.1795, 0.3110, 0.3526



37.3869, 0.2994, 0.5977



3.6440, 0.2978, 0.5921

Inverse Universe

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



84.4348, 0.3145, 0.3048



81.9309, 0.3149, 0.3004



83.6369, 0.3228, 0.3171



18.2876, 0.3144, 0.3065



14.5646, 0.3308, 0.1596



1.4217, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 93.8912, 0.3109, 0.3545 looks on a white background.

Color Contrast Check

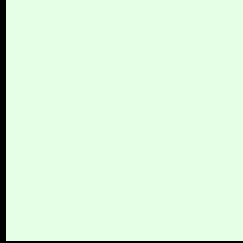
Large Text (above 18pt) WCAG AA × Fail

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 93.8912, 0.3109, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

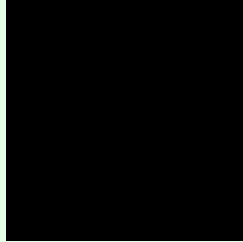
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

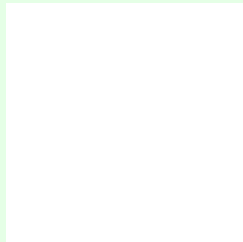
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8912, 0.3109, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 93.8912, 0.3109, 0.3545.

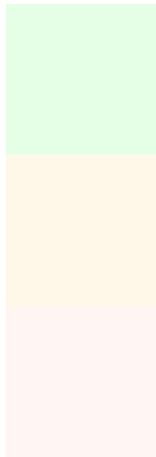


This preview shows how white text looks on a background with the Yxy color 93.8912, 0.3109, 0.3545.

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

93.8912, 0.3109, 0.3545

Protanopia

93.5511, 0.3276, 0.3446

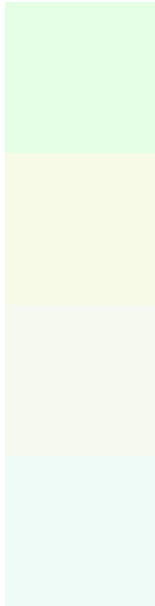
Deuteranopia

93.7032, 0.3197, 0.3310

Tritanopia

93.5879, 0.3061, 0.3222

Trichromacy



Original Color

93.8912, 0.3109, 0.3545

Protanomaly

93.7336, 0.3214, 0.3478

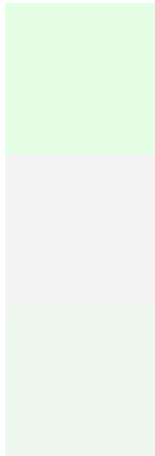
Deuteranomaly

93.5762, 0.3167, 0.3389

Tritanomaly

93.9989, 0.3081, 0.3339

Monochromacy



Original Color

93.8912, 0.3109, 0.3545

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.7175, 0.3123, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8912, 0.3109, 0.3545 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(229, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 230)  
}
```

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(229, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 93.8912, 0.3109, 0.3545 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(229, 255, 230) }
```

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

```
.border{ border-color:rgb(229, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8912, 0.3109, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 230) }
```

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

```
.background{ background-color: rgb(229,  
255, 230) }
```

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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