

Converting Colors

$Y_{xy}(100.0000, 0.3065, 0.3614)$

Have a look what the booklet for
Yxy(100.0000, 0.3065, 0.3614)
contains.

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Color

Yxy(93.4107, 0.3067, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFE9
RGB	225, 255, 233
RGB Percent	88%, 100%, 91%
CMY	0.1179, 0.0000, 0.0862
CMYK	0.12, 0.00, 0.09, 0.00
HSL	136°, 100%, 94%
HSV	136°, 12%, 100%
XYZ	81.5052, 93.4107, 90.8329
YIQ	243.5220, -10.8180, -13.2020

Conversions

Conversions Part 2

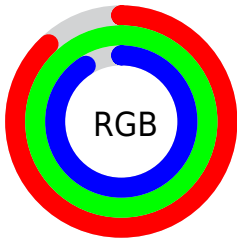
Format	Color
R _Y B	225, 249, 255
Decimal	14811113
CIE Lab	97.39, -13.74, 7.23
CIE LCh	97, 15.527, 152.238
Yxy	93.4107, 0.3067, 0.3515
Android (android.graphics.Color)	4293001193 (0xFFE1FFE9)
YUV	243.5220, -5.1873, -16.2438
Hunter-Lab	96.6492, -18.6055, 11.9325

Details

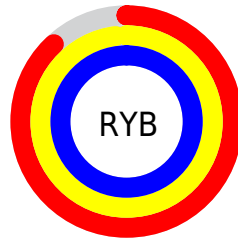
The Yxy color **93.4107, 0.3067, 0.3515** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.7861, 0.3193, 0.3075**, and the grayscale version is **90.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1085, 0.3060, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **88.5954, 0.3017, 0.3732**, and if you desaturate by 10%, it is **98.9314, 0.3118, 0.3322**.

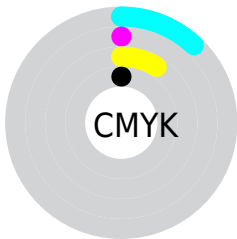
Distribution



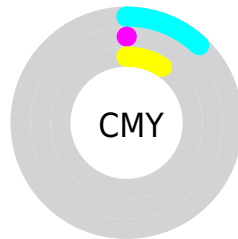
- Red (88%)
- Green (100%)
- Blue (91%)



- Red (88%)
- Yellow (98%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.4107, 0.3067, 0.3515 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 93.4107, 0.3067, 0.3515 by changing the saturation by 10% instead.


 93.4107, 0.3067,
0.3515

 93.4107, 0.3067,
0.3515


539.0644, 0.3095,
0.3414

 70.8129, 0.3061,
0.3538

152.0671, 0.3076,
0.3480

 52.1895, 0.3053,
0.3565


188.8945, 0.3080,
0.3467

 37.1562, 0.3044,
0.3599

231.2339, 0.3083,
0.3455

 25.3284, 0.3031,
0.3644

279.4696, 0.3086,
0.3445

 16.3219, 0.3015,
0.3703

333.9862, 0.3089,
0.3436

 9.7522, 0.2991,
0.3785

395.1679, 0.3091,

 5.2350, 0.2955,

0.3428

0.3908

463.3992, 0.3093,
0.3420

■ 2.3858, 0.2893,
0.4113

■ 0.8186, 0.2688,
0.4971

■ 93.4107, 0.3067,
0.3515

■ 93.4107, 0.3067,
0.3515

■ 88.5954, 0.3017,
0.3732

■ 98.9314, 0.3118,
0.3322

■ 84.4837, 0.2969,
0.3973

100.0000, 0.3127,
0.3290

■ 81.0335, 0.2926,
0.4235

■ 78.2091, 0.2892,
0.4512

■ 75.9719, 0.2869,
0.4796

■ 74.2786, 0.2861,
0.5073

■ 73.0796, 0.2868,
0.5329

■ 72.3160, 0.2890,
0.5550

■ 71.9436, 0.2916,
0.5698

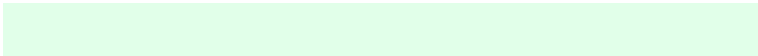
Harmonies

Analogous

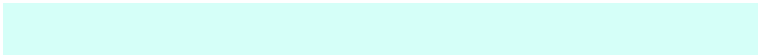
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4107, 0.3240, 0.3588



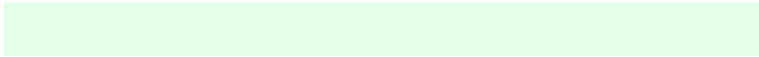
93.4107, 0.3067, 0.3515



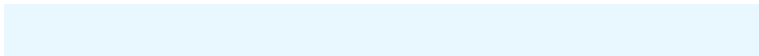
93.4107, 0.2913, 0.3376

Triad

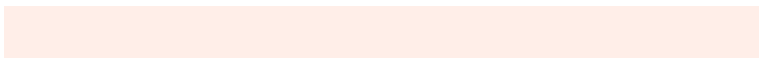
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.4107, 0.3067, 0.3515



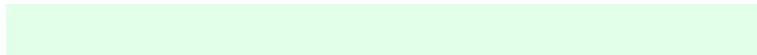
93.4107, 0.2871, 0.3009



93.4107, 0.3447, 0.3350

Complementary

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



93.4107, 0.3067, 0.3515



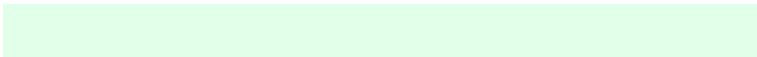
81.7861, 0.3193, 0.3075

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.



93.4107, 0.3343, 0.3202



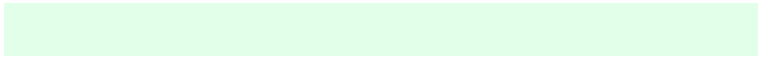
93.4107, 0.3067, 0.3515



93.4107, 0.3008, 0.3009

Square

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



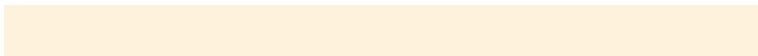
93.4107, 0.3067, 0.3515



93.4107, 0.2802, 0.3083



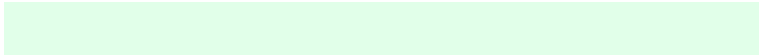
93.4107, 0.3181, 0.3080



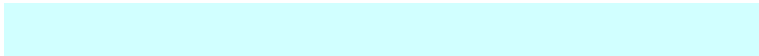
93.4107, 0.3463, 0.3486

Rectangle

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



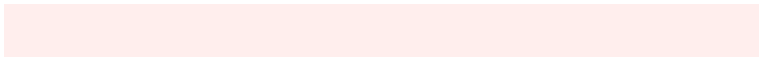
93.4107, 0.3067, 0.3515



93.4107, 0.2841, 0.3269



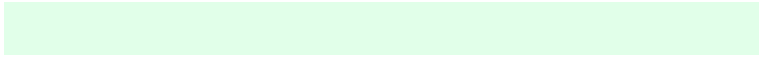
93.4107, 0.3181, 0.3080



93.4107, 0.3421, 0.3300

Sweetspot

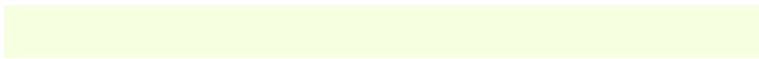
The Sweet Spot groups the original color and five complimentary colors.



93.4011, 0.3067, 0.3515



97.6453, 0.3107, 0.3363



96.7237, 0.3252, 0.3587



20.8082, 0.3103, 0.3377



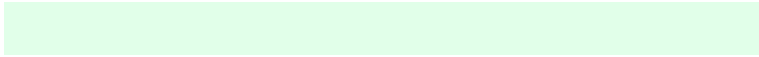
0.0000, 0.0000, 0.0000



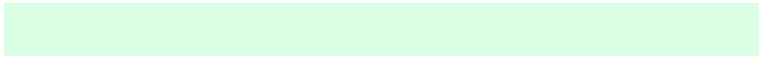
21.4041, 0.3127, 0.3290

Same Dimension

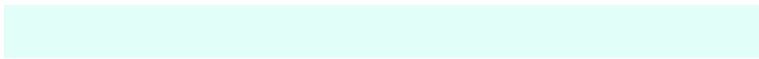
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.4011, 0.3067, 0.3515



92.2777, 0.3056, 0.3561



94.2935, 0.2984, 0.3360



20.2483, 0.3079, 0.3469



37.6131, 0.2909, 0.5671



3.6795, 0.2849, 0.5455

Inverse Universe

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



81.7861, 0.3193, 0.3075



78.6973, 0.3207, 0.3034



80.8989, 0.3293, 0.3221



18.2122, 0.3179, 0.3118



12.9984, 0.4032, 0.1995



1.2838, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 93.4107, 0.3067, 0.3515 looks on a white background.

Color Contrast Check

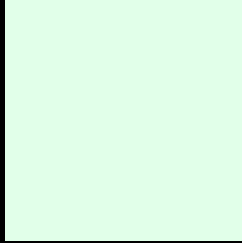
Large Text (above 18pt) WCAG AA × Fail

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 93.4107, 0.3067, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

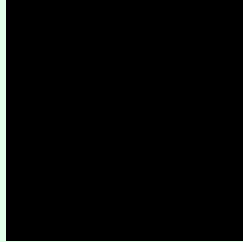
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

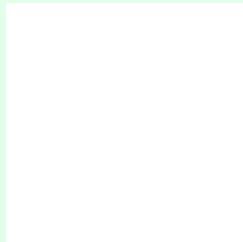
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.4107, 0.3067, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 93.4107, 0.3067, 0.3515.

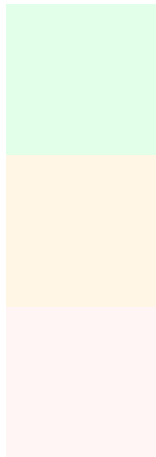


This preview shows how white text looks on a background with the Yxy color 93.4107, 0.3067, 0.3515.

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

93.4107, 0.3067, 0.3515

Protanopia

92.8847, 0.3283, 0.3447

Deuteranopia

93.0965, 0.3198, 0.3300

Tritanopia

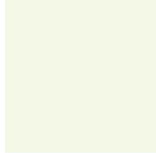
93.2320, 0.3049, 0.3221

Trichromacy



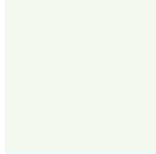
Original Color

93.4107, 0.3067, 0.3515



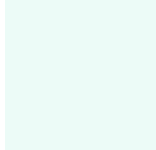
Protanomaly

92.7540, 0.3202, 0.3469



Deuteranomaly

93.2757, 0.3148, 0.3379



Tritanomaly

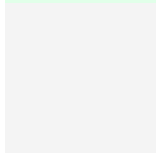
93.5426, 0.3057, 0.3330

Monochromacy



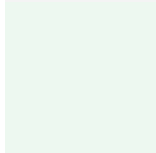
Original Color

93.4107, 0.3067, 0.3515



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.4306, 0.3104, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.4107, 0.3067, 0.3515 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(225, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 93.4107, 0.3067, 0.3515 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(225, 255, 233) }
```

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

```
.border{ border-color:rgb(225, 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(225, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 93.4107, 0.3067, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 233) }
```

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

```
.background{ background-color: rgb(225,  
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](#).

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