

Converting Colors

$Yxy(93.3890, 0.3114, 0.3578)$

Have a look what the booklet for
Yxy(93.3890, 0.3114, 0.3578)
contains.

Yxy(93.3969, 0.3114, 0.3577)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(93.3969, 0.3114, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFE3
RGB	227, 255, 227
RGB Percent	89%, 100%, 89%
CMY	0.1097, 0.0000, 0.1099
CMYK	0.11, 0.00, 0.11, 0.00
HSL	120°, 100%, 95%
HSV	120°, 11%, 100%
XYZ	81.3078, 93.3969, 86.3993
YIQ	243.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

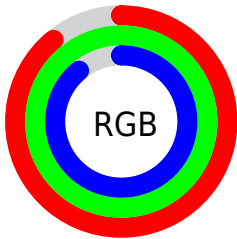
Format	Color
R_{YB}	227, 255, 255
Decimal	14942179
CIE _{Lab}	97.39, -14.10, 10.34
CIE _{LCh}	97, 17.483, 143.752
Yxy	93.3969, 0.3114, 0.3577
Android (android.graphics.Color)	4293132259 (0xFFE3FFE3)
YUV	243.4360, -8.1029, -14.4144
Hunter-Lab	96.6421, -18.9464, 14.6434

Details

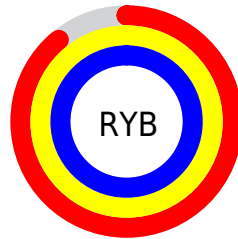
The Yxy color **93.3969, 0.3114, 0.3577** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.3980, 0.3140, 0.3019**, and the grayscale version is **90.0683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.0247, 0.3103, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **88.2569, 0.3100, 0.3876**, and if you desaturate by 10%, it is **99.3648, 0.3126, 0.3314**.

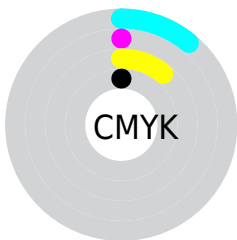
Distribution



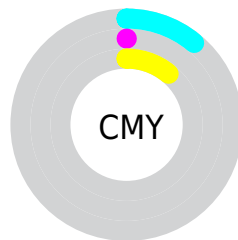
- Red (89%)
- Green (100%)
- Blue (89%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.3969, 0.3114, 0.3577 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 93.3969, 0.3114, 0.3577 by changing the saturation by 10% instead.


 93.3969, 0.3114,
0.3577

 93.3969, 0.3114,
0.3577

539.0200, 0.3121,
0.3447

 70.8014, 0.3112,
0.3606


152.0480, 0.3117,
0.3533

 52.1802, 0.3110,
0.3641


188.8724, 0.3118,
0.3515

 37.1487, 0.3107,
0.3685


231.2086, 0.3118,
0.3500

 25.3226, 0.3102,
0.3742

279.4410, 0.3119,
0.3487

 16.3176, 0.3096,
0.3818

333.9539, 0.3120,
0.3475

 9.7492, 0.3086,
0.3925

395.1318, 0.3120,

 5.2330, 0.3069,

0.3465

0.4085

463.3590, 0.3121,
0.3456

■ 2.3846, 0.3034,
0.4350

■ 0.8179, 0.3053,
0.5764

■ 93.3969, 0.3114,
0.3577

■ 93.3969, 0.3114,
0.3577

■ 88.2569, 0.3100,
0.3876


■ 99.3648, 0.3126,
0.3314


■ 83.8978, 0.3085,
0.4207

100.0000, 0.3127,
0.3290


■ 80.2847, 0.3068,
0.4562


■ 77.3758, 0.3052,
0.4924

 75.1253, 0.3035,
0.5271

 73.4819, 0.3021,
0.5572

 72.3865, 0.3010,
0.5801

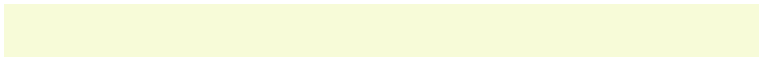
 71.7686, 0.3003,
0.5941

 71.5229, 0.3000,
0.6000

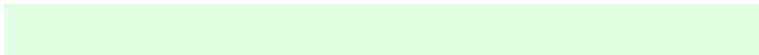
Harmonies

Analogous

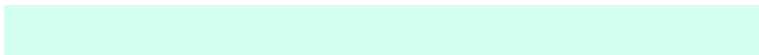
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3969, 0.3306, 0.3633



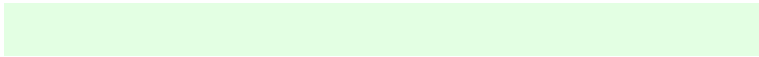
93.3969, 0.3114, 0.3577



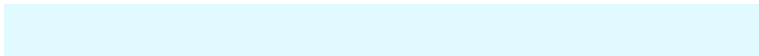
93.3969, 0.2930, 0.3436

Triad

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



93.3969, 0.3114, 0.3577



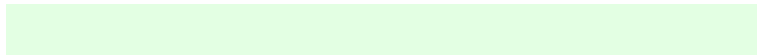
93.3969, 0.2808, 0.2989



93.3969, 0.3464, 0.3309

Complementary

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



93.3969, 0.3114, 0.3577



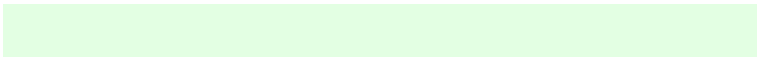
83.3980, 0.3140, 0.3019

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.



93.3969, 0.3323, 0.3148



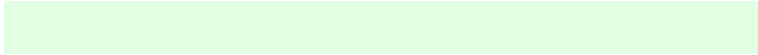
93.3969, 0.3114, 0.3577



93.3969, 0.2943, 0.2967

Square

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



93.3969, 0.3114, 0.3577



93.3969, 0.2757, 0.3093



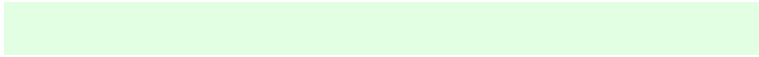
93.3969, 0.3131, 0.3025



93.3969, 0.3512, 0.3470

Rectangle

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



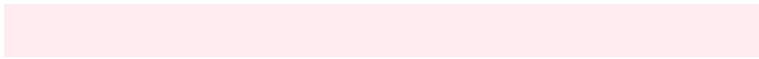
93.3969, 0.3114, 0.3577



93.3969, 0.2836, 0.3317



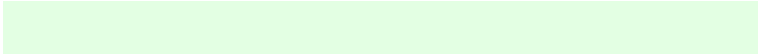
93.3969, 0.3131, 0.3025



93.3969, 0.3426, 0.3253

Sweetspot

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



93.4006, 0.3114, 0.3577



98.0973, 0.3124, 0.3364



98.0274, 0.3292, 0.3558



20.8908, 0.3123, 0.3384



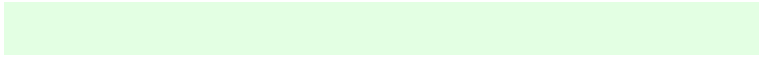
0.0000, 0.0000, 0.0000



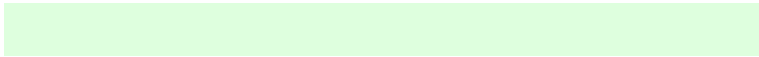
21.4041, 0.3127, 0.3290

Same Dimension

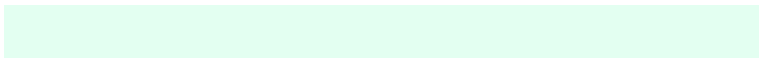
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.4006, 0.3114, 0.3577



92.3010, 0.3111, 0.3634



94.1701, 0.3037, 0.3436



20.1697, 0.3116, 0.3536



37.3729, 0.3000, 0.6000



3.6394, 0.3001, 0.5999

Inverse Universe

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



83.3980, 0.3140, 0.3019



80.6319, 0.3142, 0.2968



82.5656, 0.3228, 0.3148



18.2987, 0.3138, 0.3056



14.8378, 0.3205, 0.1539



1.4452, 0.3205, 0.1539

Previews

White Background



This preview shows how the Yxy color 93.3969, 0.3114, 0.3577 looks on a white background.

Color Contrast Check

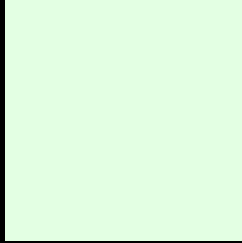
Large Text (above 18pt) WCAG AA × Fail

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 93.3969, 0.3114, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

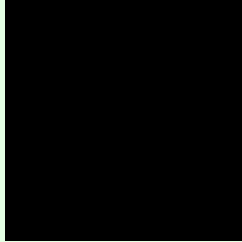
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

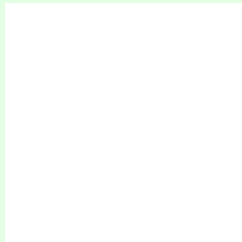
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.3969, 0.3114, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 93.3969, 0.3114, 0.3577.

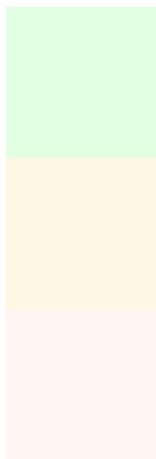


This preview shows how white text looks on a background with the Yxy color 93.3969, 0.3114, 0.3577.

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

93.3969, 0.3114, 0.3577

Protanopia

92.7730, 0.3296, 0.3466

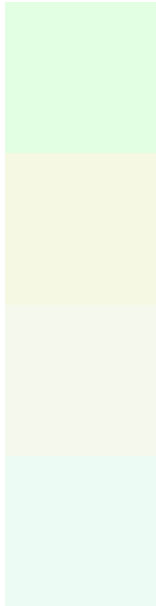
Deuteranopia

93.0359, 0.3204, 0.3310

Tritanopia

93.4095, 0.3055, 0.3221

Trichromacy



Original Color

93.3969, 0.3114, 0.3577

Protanomaly

92.7653, 0.3227, 0.3499

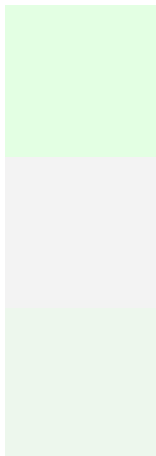
Deuteranomaly

93.2783, 0.3173, 0.3409

Tritanomaly

93.5915, 0.3074, 0.3350

Monochromacy



Original Color

93.3969, 0.3114, 0.3577

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.6405, 0.3122, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.3969, 0.3114, 0.3577 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, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 227)  
}
```

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, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 93.3969, 0.3114, 0.3577 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, 255, 227) }
```

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

```
.border{ border-color:rgb(227, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 93.3969, 0.3114, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 227) }
```

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

```
.background{ background-color: rgb(227,  
255, 227) }
```

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