

Converting Colors

$Y_{xy}(100.0000, 0.3103, 0.3597)$

Have a look what the booklet for
Yxy(100.0000, 0.3103, 0.3597)
contains.

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Color

Yxy(94.3921, 0.3104, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	E7FFE9
RGB	231, 255, 233
RGB Percent	91%, 100%, 91%
CMY	0.0944, 0.0000, 0.0863
CMYK	0.09, 0.00, 0.09, 0.00
HSL	125°, 100%, 95%
HSV	125°, 9%, 100%
XYZ	83.4025, 94.3921, 90.8991
YIQ	245.3160, -7.2420, -11.9300

Conversions

Conversions Part 2

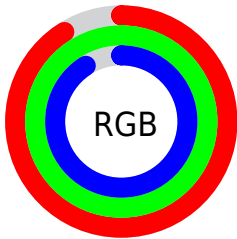
Format	Color
R_{YB}	231, 253, 255
Decimal	15204329
CIE _{Lab}	97.79, -11.79, 7.87
CIE _{LCh}	98, 14.173, 146.274
Yxy	94.3921, 0.3104, 0.3513
Android (android.graphics.Color)	4293394409 (0xFFE7FFE9)
YUV	245.3160, -6.0718, -12.5551
Hunter-Lab	97.1556, -16.7902, 12.5370

Details

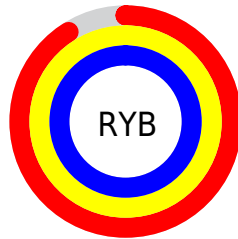
The Yxy color **94.3921, 0.3104, 0.3513** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.4588, 0.3151, 0.3077**, and the grayscale version is **91.6111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.6765, 0.3099, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **89.1959, 0.3078, 0.3780**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

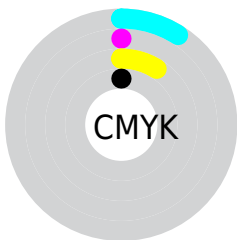
Distribution



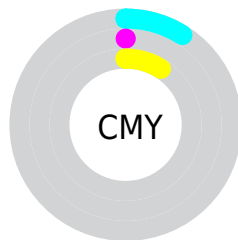
- Red (91%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (99%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.3921, 0.3104, 0.3513 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 94.3921, 0.3104, 0.3513 by changing the saturation by 10% instead.


 94.3921, 0.3104,
0.3513

 94.3921, 0.3104,
0.3513

542.2170, 0.3115,
0.3413

 71.6291, 0.3101,
0.3535

153.4245, 0.3108,
0.3479

 52.8558, 0.3098,
0.3562


190.4627, 0.3109,
0.3465

 37.6876, 0.3094,
0.3596


233.0281, 0.3111,
0.3454

 25.7403, 0.3089,
0.3639

281.5051, 0.3112,
0.3444

 16.6295, 0.3081,
0.3697

336.2781, 0.3113,
0.3435

 9.9707, 0.3070,
0.3777

397.7315, 0.3114,

 5.3795, 0.3053,

0.3427

0.3897

466.2497, 0.3114,
0.3419

■ 2.4716, 0.3021,
0.4094

■ 0.8624, 0.2983,
0.4836

■ 94.3921, 0.3104,
0.3513

■ 94.3921, 0.3104,
0.3513

■ 89.1959, 0.3078,
0.3780

100.0000, 0.3127,
0.3290

■ 84.7739, 0.3053,
0.4078

■ 81.0767, 0.3028,
0.4401

■ 78.0656, 0.3006,
0.4739

■ 75.6983, 0.2988,
0.5075

■ 73.9277, 0.2977,
0.5385

■ 72.7001, 0.2974,
0.5646

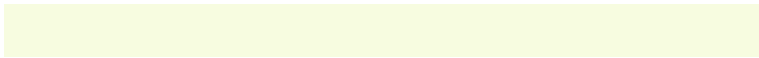
■ 71.9524, 0.2979,
0.5838

■ 71.5914, 0.2988,
0.5953

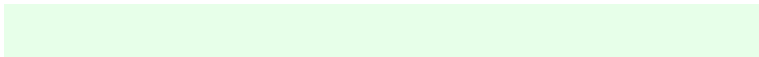
Harmonies

Analogous

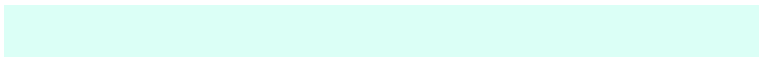
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3921, 0.3260, 0.3565



94.3921, 0.3104, 0.3513



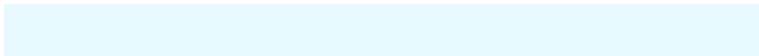
94.3921, 0.2957, 0.3397

Triad

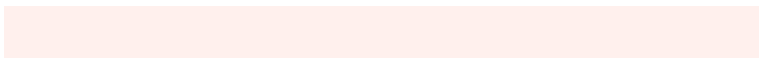
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.3921, 0.3104, 0.3513



94.3921, 0.2876, 0.3042



94.3921, 0.3405, 0.3318

Complementary

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



94.3921, 0.3104, 0.3513



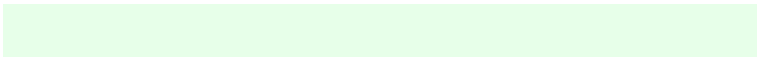
85.4588, 0.3151, 0.3077

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.



94.3921, 0.3297, 0.3185



94.3921, 0.3104, 0.3513



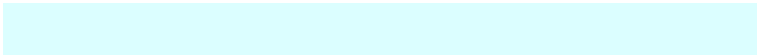
94.3921, 0.2990, 0.3029

Square

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



94.3921, 0.3104, 0.3513



94.3921, 0.2827, 0.3122



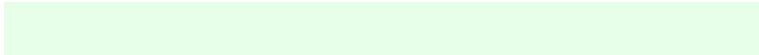
94.3921, 0.3145, 0.3081



94.3921, 0.3436, 0.3447

Rectangle

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



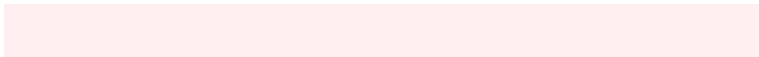
94.3921, 0.3104, 0.3513



94.3921, 0.2883, 0.3300



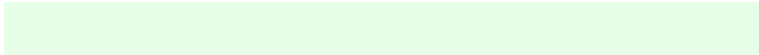
94.3921, 0.3145, 0.3081



94.3921, 0.3376, 0.3272

Sweetspot

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



94.3787, 0.3104, 0.3513



98.1354, 0.3120, 0.3358



98.1668, 0.3255, 0.3524



20.9010, 0.3118, 0.3376



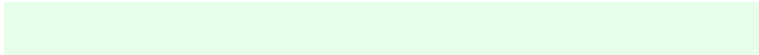
0.0000, 0.0000, 0.0000



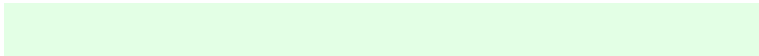
21.4041, 0.3127, 0.3290

Same Dimension

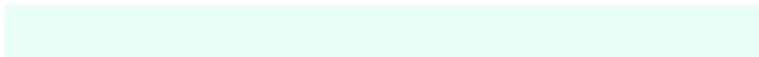
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.3787, 0.3104, 0.3513



93.5192, 0.3100, 0.3552



95.0873, 0.3036, 0.3390



20.1933, 0.3104, 0.3514



37.4091, 0.2985, 0.5945



3.6506, 0.2952, 0.5829

Inverse Universe

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



85.4588, 0.3151, 0.3077



83.2375, 0.3155, 0.3041



84.7187, 0.3228, 0.3192



18.2720, 0.3151, 0.3075



14.2009, 0.3437, 0.1667



1.3903, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 94.3921, 0.3104, 0.3513 looks on a white background.

Color Contrast Check

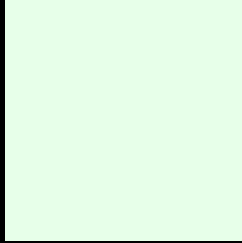
Large Text (above 18pt) WCAG AA × Fail

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 94.3921, 0.3104, 0.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

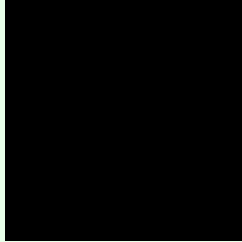
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

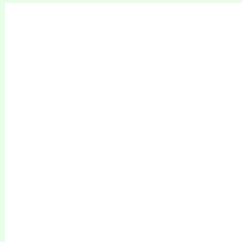
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.3921, 0.3104, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 94.3921, 0.3104, 0.3513.

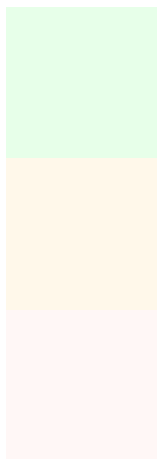


This preview shows how white text looks on a background with the Yxy color 94.3921, 0.3104, 0.3513.

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

94.3921, 0.3104, 0.3513

Protanopia

94.3353, 0.3257, 0.3426

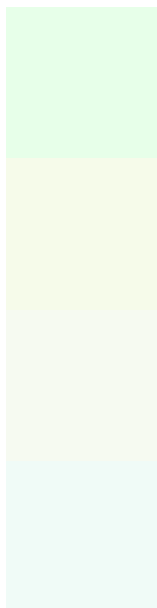
Deuteranopia

94.4353, 0.3185, 0.3300

Tritanopia

94.3838, 0.3067, 0.3232

Trichromacy



Original Color

94.3921, 0.3104, 0.3513

Protanomaly

94.5277, 0.3196, 0.3458

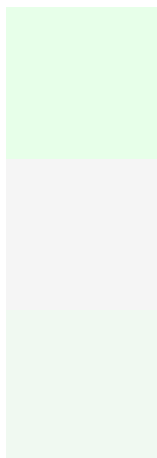
Deuteranomaly

94.3149, 0.3155, 0.3378

Tritanomaly

94.2350, 0.3082, 0.3329

Monochromacy



Original Color

94.3921, 0.3104, 0.3513

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.6275, 0.3117, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.3921, 0.3104, 0.3513 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(231, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 94.3921, 0.3104, 0.3513 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(231, 255, 233) }
```

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

```
.border{ border-color:rgb(231, 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(231, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 94.3921, 0.3104, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 233) }
```

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

```
.background{ background-color: rgb(231,  
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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