

Converting Colors

$Y_{xy}(114.0939, 0.3134, 0.3838)$

Have a look what the booklet for
Yxy(114.0939, 0.3134, 0.3838)
contains.

Yxy(94.3897, 0.3151, 0.3574)	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(94.3897, 0.3151, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	E9FFE3
RGB	233, 255, 227
RGB Percent	91%, 100%, 89%
CMY	0.0864, 0.0000, 0.1099
CMYK	0.09, 0.00, 0.11, 0.00
HSL	107°, 100%, 95%
HSV	107°, 11%, 100%
XYZ	83.2182, 94.3897, 86.4931
YIQ	245.2300, -4.1240, -13.3720

Conversions

Conversions Part 2

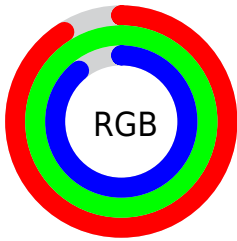
Format	Color
R_{YB}	227, 255, 249
Decimal	15335395
CIE _{Lab}	97.79, -12.14, 10.96
CIE _{LCh}	98, 16.353, 137.914
Yxy	94.3897, 0.3151, 0.3574
Android (android.graphics.Color)	4293525475 (0xFFE9FFE3)
YUV	245.2300, -8.9874, -10.7257
Hunter-Lab	97.1544, -17.1247, 15.2243

Details

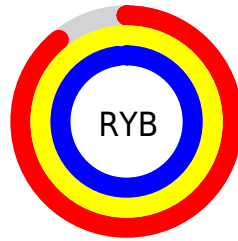
The Yxy color **94.3897, 0.3151, 0.3574** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82.2930, 0.3099, 0.3015**, and the grayscale version is **91.5700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.7138, 0.3151, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **89.8919, 0.3171, 0.3863**, and if you desaturate by 10%, it is **99.4656, 0.3129, 0.3314**.

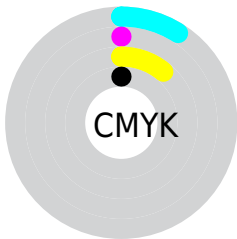
Distribution



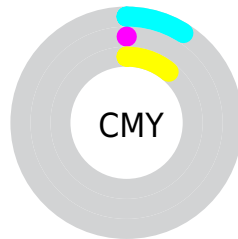
- Red (91%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.3897, 0.3151, 0.3574 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 94.3897, 0.3151, 0.3574 by changing the saturation by 10% instead.


 94.3897, 0.3151,
0.3574

 94.3897, 0.3151,
0.3574

542.2093, 0.3142,
0.3446

 71.6271, 0.3153,
0.3602


153.4212, 0.3148,
0.3530

 52.8541, 0.3155,
0.3637


190.4589, 0.3147,
0.3513

 37.6863, 0.3157,
0.3680


233.0237, 0.3146,
0.3498

 25.7393, 0.3160,
0.3736

281.5002, 0.3145,
0.3485

 16.6287, 0.3163,
0.3810

336.2725, 0.3144,
0.3474

 9.9701, 0.3165,
0.3913

397.7253, 0.3143,

 5.3792, 0.3167,

0.3464

0.4067

466.2427, 0.3142,
0.3454

■ 2.4714, 0.3163,
0.4320

■ 0.8623, 0.3358,
0.5534

■ 94.3897, 0.3151,
0.3574

■ 94.3897, 0.3151,
0.3574

■ 89.8919, 0.3171,
0.3863

■ 99.4656, 0.3129,
0.3314

■ 85.9715, 0.3186,
0.4179

100.0000, 0.3127,
0.3290

■ 82.5980, 0.3196,
0.4513

■ 79.7466, 0.3198,
0.4853

■ 77.3903, 0.3190,
0.5180

■ 75.4996, 0.3171,
0.5471

■ 74.0417, 0.3141,
0.5704

■ 72.9789, 0.3103,
0.5863

■ 72.3160, 0.3067,
0.5946

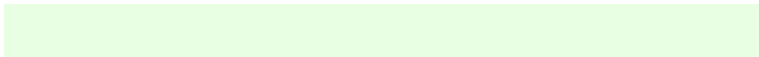
Harmonies

Analogous

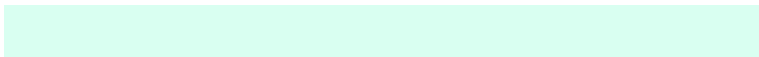
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3897, 0.3325, 0.3608



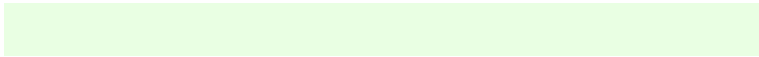
94.3897, 0.3151, 0.3574



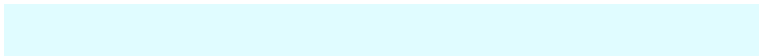
94.3897, 0.2974, 0.3456

Triad

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



94.3897, 0.3151, 0.3574



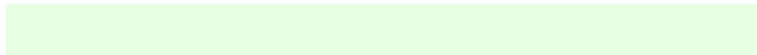
94.3897, 0.2813, 0.3023



94.3897, 0.3421, 0.3278

Complementary

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



94.3897, 0.3151, 0.3574



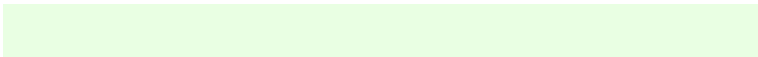
82.2930, 0.3099, 0.3015

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.



94.3897, 0.3277, 0.3132



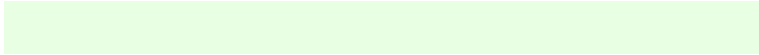
94.3897, 0.3151, 0.3574



94.3897, 0.2926, 0.2986

Square

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



94.3897, 0.3151, 0.3574



94.3897, 0.2783, 0.3133



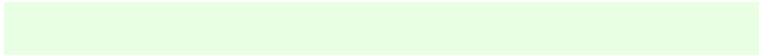
94.3897, 0.3095, 0.3026



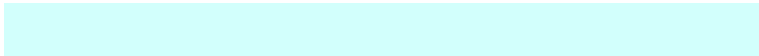
94.3897, 0.3485, 0.3431

Rectangle

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



94.3897, 0.3151, 0.3574



94.3897, 0.2878, 0.3349



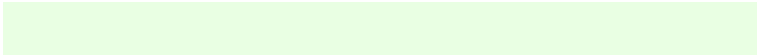
94.3897, 0.3095, 0.3026



94.3897, 0.3380, 0.3226

Sweetspot

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



94.3827, 0.3151, 0.3574



98.3936, 0.3134, 0.3364



94.5132, 0.3299, 0.3505



20.9704, 0.3136, 0.3384



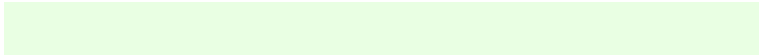
0.0000, 0.0000, 0.0000



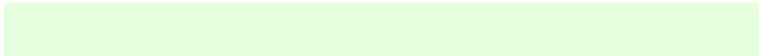
21.4041, 0.3127, 0.3290

Same Dimension

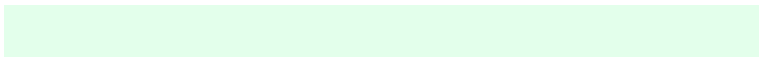
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.3827, 0.3151, 0.3574



93.4316, 0.3155, 0.3630



93.8420, 0.3069, 0.3494



20.3549, 0.3148, 0.3533



37.8384, 0.3076, 0.5940



3.7289, 0.3147, 0.5883

Inverse Universe

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



82.2930, 0.3099, 0.3015



79.3256, 0.3094, 0.2963



82.9087, 0.3191, 0.3094



18.0932, 0.3104, 0.3053



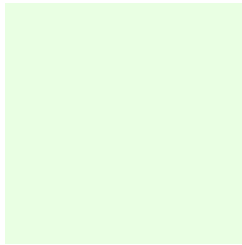
10.2977, 0.2673, 0.1246



1.0491, 0.2737, 0.1281

Previews

White Background



This preview shows how the Yxy color 94.3897, 0.3151, 0.3574 looks on a white background.

Color Contrast Check

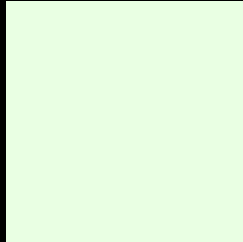
Large Text (above 18pt) WCAG AA × Fail

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 94.3897, 0.3151, 0.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

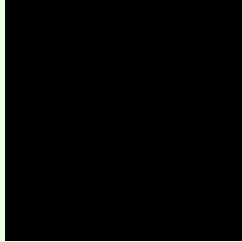
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

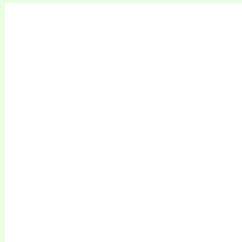
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.3897, 0.3151, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 94.3897, 0.3151, 0.3574.

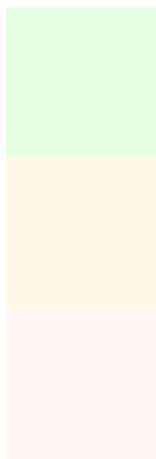


This preview shows how white text looks on a background with the Yxy color 94.3897, 0.3151, 0.3574.

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

94.3897, 0.3151, 0.3574

Protanopia

94.2780, 0.3263, 0.3436

Deuteranopia

94.3741, 0.3191, 0.3309

Tritanopia

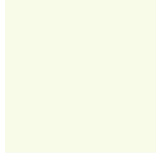
94.5642, 0.3073, 0.3232

Trichromacy



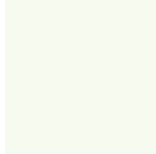
Original Color

94.3897, 0.3151, 0.3574



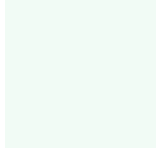
Protanomaly

94.5380, 0.3220, 0.3488



Deuteranomaly

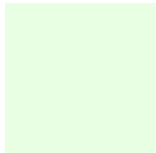
94.3184, 0.3179, 0.3408



Tritanomaly

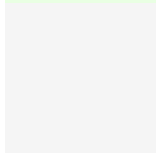
94.2877, 0.3099, 0.3349

Monochromacy



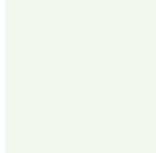
Original Color

94.3897, 0.3151, 0.3574



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.6252, 0.3141, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.3897, 0.3151, 0.3574 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(233, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 94.3897, 0.3151, 0.3574 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(233, 255, 227) }
```

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

```
.border{ border-color:rgb(233, 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(233, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 94.3897, 0.3151, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 227) }
```

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

```
.background{ background-color: rgb(233,  
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