

Converting Colors

$Y_{xy}(100.0000, 0.3179, 0.3690)$

Have a look what the booklet for
Yxy(100.0000, 0.3179, 0.3690)
contains.

Yxy(94.5099, 0.3187, 0.3614)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.5099, 0.3187, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFDF
RGB	235, 255, 223
RGB Percent	92%, 100%, 87%
CMY	0.0784, 0.0000, 0.1255
CMYK	0.08, 0.00, 0.13, 0.00
HSL	97°, 100%, 94%
HSV	97°, 13%, 100%
XYZ	83.3434, 94.5099, 83.6572
YIQ	245.3720, -1.6480, -14.1920

Conversions

Conversions Part 2

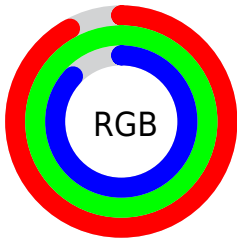
Format	Color
R _Y B	223, 255, 243
Decimal	15466463
CIE Lab	97.84, -12.10, 13.09
CIE LCh	98, 17.830, 132.758
Yxy	94.5099, 0.3187, 0.3614
Android (android.graphics.Color)	4293656543 (0xFFEBFFDF)
YUV	245.3720, -11.0294, -9.0962
Hunter-Lab	97.2162, -17.1004, 17.0307

Details

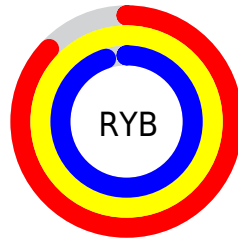
The Yxy color **94.5099, 0.3187, 0.3614** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79.0440, 0.3060, 0.2971**, and the grayscale version is **91.7204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.7990, 0.3196, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **90.6488, 0.3232, 0.3900**, and if you desaturate by 10%, it is **98.8260, 0.3139, 0.3353**.

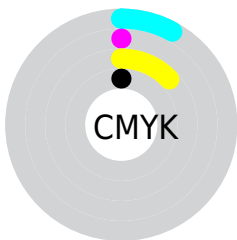
Distribution



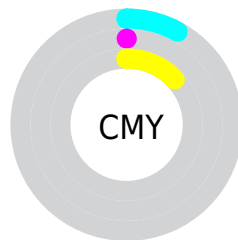
- Red (92%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.5099, 0.3187, 0.3614 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 94.5099, 0.3187, 0.3614 by changing the saturation by 10% instead.


 94.5099, 0.3187,
0.3614

 94.5099, 0.3187,
0.3614


542.5948, 0.3162,
0.3468

 71.7271, 0.3192,
0.3646


153.5873, 0.3179,
0.3564

 52.9358, 0.3198,
0.3686

190.6508, 0.3175,
0.3545

 37.7515, 0.3205,
0.3735


233.2433, 0.3173,
0.3528

 25.7899, 0.3214,
0.3799

281.7492, 0.3170,
0.3513

 16.6665, 0.3225,
0.3883

336.5529, 0.3168,
0.3500

 9.9970, 0.3238,
0.4001

398.0388, 0.3166,

 5.3970, 0.3254,

0.3488

0.4176

466.5913, 0.3164,
0.3478

■ 2.4820, 0.3271,
0.4462

■ 0.8676, 0.3710,
0.6083

■ 94.5099, 0.3187,
0.3614

■ 94.5099, 0.3187,
0.3614

■ 90.6488, 0.3232,
0.3900

■ 98.8260, 0.3139,
0.3353

■ 87.2192, 0.3273,
0.4206

100.0000, 0.3127,
0.3290

■ 84.2073, 0.3306,
0.4523

■ 81.5953, 0.3327,
0.4841

■ 79.3642, 0.3333,
0.5141

■ 77.4930, 0.3321,
0.5407

■ 75.9582, 0.3290,
0.5619

■ 74.7327, 0.3243,
0.5767

■ 73.9949, 0.3201,
0.5840

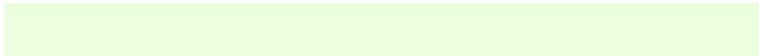
Harmonies

Analogous

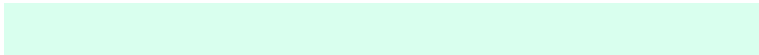
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5099, 0.3371, 0.3634



94.5099, 0.3187, 0.3614



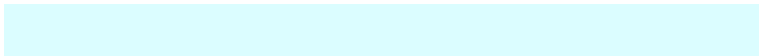
94.5099, 0.2991, 0.3499

Triad

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



94.5099, 0.3187, 0.3614



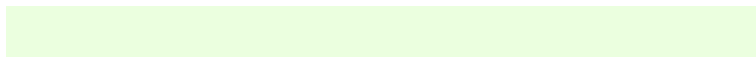
94.5099, 0.2773, 0.3014



94.5099, 0.3426, 0.3247

Complementary

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



94.5099, 0.3187, 0.3614



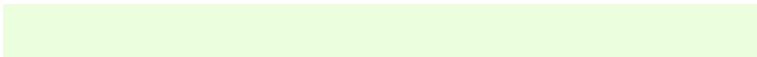
79.0440, 0.3060, 0.2971

Split Complementary

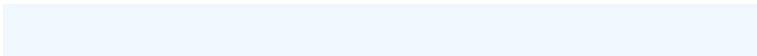
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.5099, 0.3258, 0.3094



94.5099, 0.3187, 0.3614



94.5099, 0.2882, 0.2960

Square

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



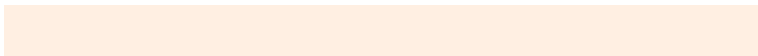
94.5099, 0.3187, 0.3614



94.5099, 0.2757, 0.3145



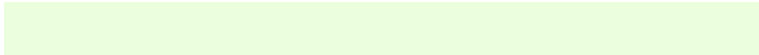
94.5099, 0.3058, 0.2990



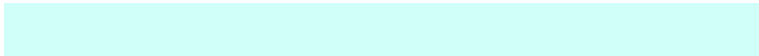
94.5099, 0.3513, 0.3415

Rectangle

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



94.5099, 0.3187, 0.3614



94.5099, 0.2880, 0.3385



94.5099, 0.3058, 0.2990



94.5099, 0.3377, 0.3192

Sweetspot

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



94.5125, 0.3187, 0.3614



98.1724, 0.3146, 0.3389



90.5282, 0.3331, 0.3485



20.9411, 0.3150, 0.3408



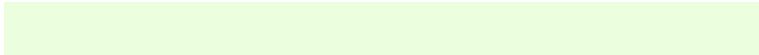
0.0000, 0.0000, 0.0000



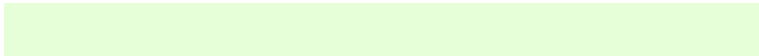
21.4041, 0.3127, 0.3290

Same Dimension

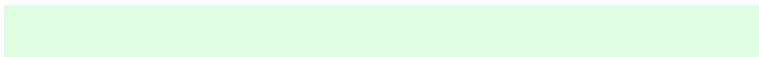
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5125, 0.3187, 0.3614



93.5252, 0.3198, 0.3682



92.7384, 0.3090, 0.3582



20.5005, 0.3173, 0.3532



38.7421, 0.3213, 0.5831



3.8322, 0.3300, 0.5762

Inverse Universe

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



79.0440, 0.3060, 0.2971



75.3532, 0.3045, 0.2906



81.0149, 0.3166, 0.3015



17.9396, 0.3077, 0.3051



7.7239, 0.2284, 0.1032



0.8145, 0.2389, 0.1089

Previews

White Background



This preview shows how the Yxy color 94.5099, 0.3187, 0.3614 looks on a white background.

Color Contrast Check

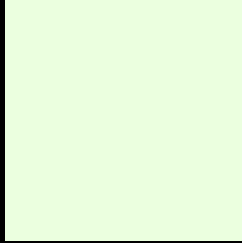
Large Text (above 18pt) WCAG AA × Fail

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 94.5099, 0.3187, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

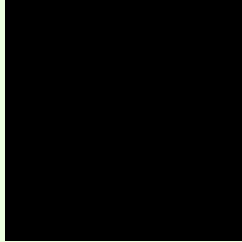
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

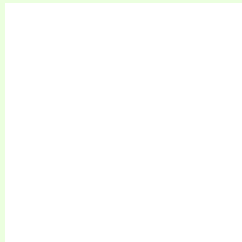
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.5099, 0.3187, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 94.5099, 0.3187, 0.3614.

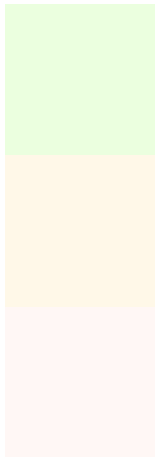


This preview shows how white text looks on a background with the Yxy color 94.5099, 0.3187, 0.3614.

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

94.5099, 0.3187, 0.3614

Protanopia

94.2210, 0.3269, 0.3446

Deuteranopia

94.3741, 0.3191, 0.3309

Tritanopia

94.5642, 0.3073, 0.3232

Trichromacy



Original Color

94.5099, 0.3187, 0.3614

Protanomaly

94.6080, 0.3238, 0.3507

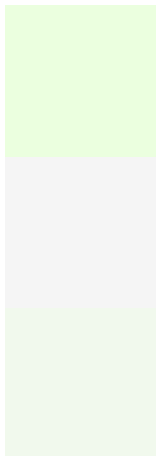
Deuteranomaly

94.4421, 0.3191, 0.3418

Tritanomaly

94.3427, 0.3117, 0.3369

Monochromacy



Original Color

94.5099, 0.3187, 0.3614

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.5666, 0.3147, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.5099, 0.3187, 0.3614 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(235, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 223)  
}
```

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(235, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 94.5099, 0.3187, 0.3614 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(235, 255, 223) }
```

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

```
.border{ border-color:rgb(235, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 94.5099, 0.3187, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 223) }
```

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

```
.background{ background-color: rgb(235,  
255, 223) }
```

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