

Converting Colors

$Y_{xy}(95.0107, 0.3353, 0.3803)$

Have a look what the booklet for
Yxy(95.0107, 0.3353, 0.3803)
contains.

Yxy(94.9343, 0.3350, 0.3803)	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(94.9343, 0.3350, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	F3FFCC
RGB	243, 255, 204
RGB Percent	95%, 100%, 80%
CMY	0.0470, 0.0000, 0.1998
CMYK	0.05, 0.00, 0.20, 0.00
HSL	74°, 100%, 90%
HSV	74°, 20%, 100%
XYZ	83.6261, 94.9343, 71.0697
YIQ	245.5980, 9.2190, -18.4050

Conversions

Conversions Part 2

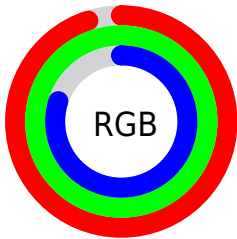
Format	Color
R_{YB}	204, 255, 216
Decimal	15990732
CIE _{Lab}	98.01, -12.30, 23.08
CIE _{LCh}	98, 26.148, 118.055
Y _{xy}	94.9343, 0.3350, 0.3803
Android (android.graphics.Color)	4294180812 (0xFFFF3FFCC)
YUV	245.5980, -20.5078, -2.2784
Hunter-Lab	97.4342, -17.3066, 24.9571

Details

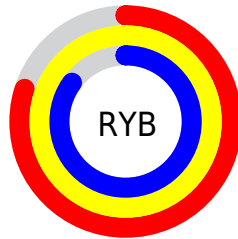
The Yxy color **94.9343, 0.3350, 0.3803** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.0317, 0.2873, 0.2749**, and the grayscale version is **91.9848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.1550, 0.3396, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **92.7609, 0.3460, 0.4074**, and if you desaturate by 10%, it is **97.3486, 0.3238, 0.3540**.

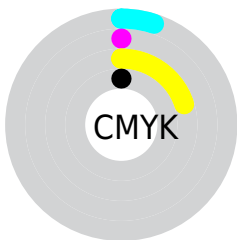
Distribution



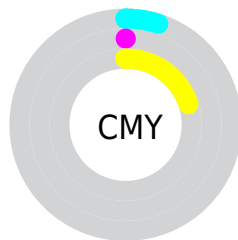
- Red (95%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.9343, 0.3350, 0.3803 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 94.9343, 0.3350, 0.3803 by changing the saturation by 10% instead.

 94.9343, 0.3350,
0.3803

 94.9343, 0.3350,
0.3803


543.9546, 0.3255,
0.3572

 72.0803, 0.3370,
0.3854

154.1738, 0.3318,
0.3724

 53.2243, 0.3394,
0.3916


191.3282, 0.3306,
0.3693

 37.9818, 0.3422,
0.3994


234.0180, 0.3295,
0.3666

 25.9686, 0.3457,
0.4093

282.6279, 0.3285,
0.3643

 16.8001, 0.3501,
0.4224

337.5420, 0.3276,
0.3622

 10.0921, 0.3556,
0.4403

399.1450, 0.3268,

 5.4601, 0.3625,

0.3604

0.4664

467.8210, 0.3261,
0.3587

■ 2.5196, 0.3744,
0.5123

■ 0.8864, 0.3796,
0.6204

■ 94.9343, 0.3350,
0.3803

■ 94.9343, 0.3350,
0.3803

■ 92.7609, 0.3460,
0.4074

■ 97.3486, 0.3238,
0.3540

■ 90.8099, 0.3562,
0.4344

100.0000, 0.3127,
0.3290

■ 89.0732, 0.3653,
0.4604

■ 87.5389, 0.3726,
0.4841

■ 86.1937, 0.3776,
0.5044

■ 85.0226, 0.3800,
0.5204

■ 84.0075, 0.3798,
0.5316

■ 83.1193, 0.3774,
0.5385

■ 83.1178, 0.3774,
0.5385

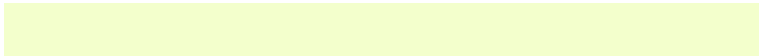
Harmonies

Analogous

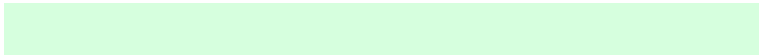
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9343, 0.3585, 0.3752



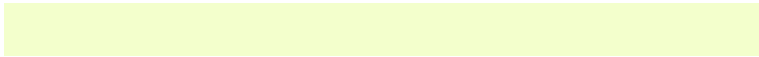
94.9343, 0.3350, 0.3803



94.9343, 0.3062, 0.3701

Triad

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



94.9343, 0.3350, 0.3803



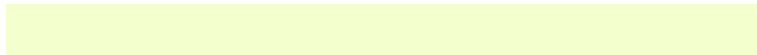
94.9343, 0.2586, 0.2965



94.9343, 0.3455, 0.3111

Complementary

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



94.9343, 0.3350, 0.3803



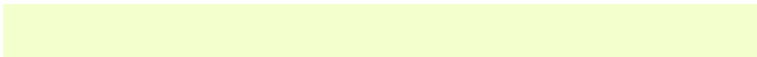
65.0317, 0.2873, 0.2749

Split Complementary

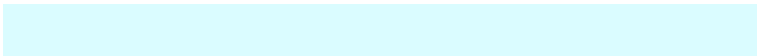
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9343, 0.3172, 0.2924



94.9343, 0.3350, 0.3803



94.9343, 0.2679, 0.2834

Square

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



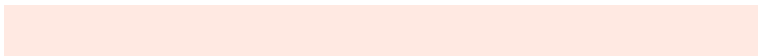
94.9343, 0.3350, 0.3803



94.9343, 0.2629, 0.3196



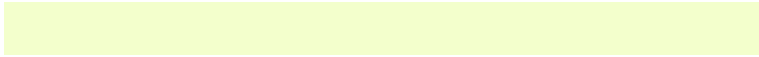
94.9343, 0.2889, 0.2823



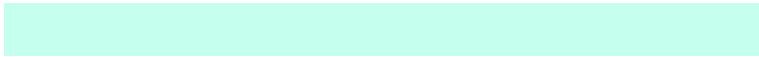
94.9343, 0.3651, 0.3347

Rectangle

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



94.9343, 0.3350, 0.3803



94.9343, 0.2880, 0.3557



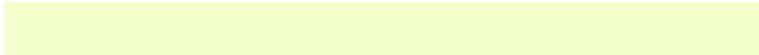
94.9343, 0.2889, 0.2823



94.9343, 0.3366, 0.3041

Sweetspot

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



94.9371, 0.3350, 0.3803



98.3767, 0.3193, 0.3438



74.6995, 0.3503, 0.3412



21.0200, 0.3201, 0.3455



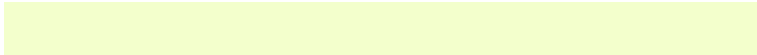
0.0000, 0.0000, 0.0000



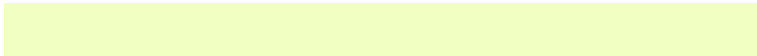
21.4041, 0.3127, 0.3290

Same Dimension

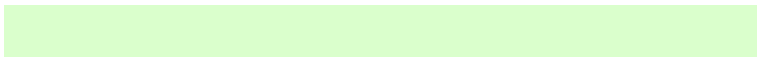
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9371, 0.3350, 0.3803



94.0352, 0.3395, 0.3911



90.7305, 0.3186, 0.3830



20.8626, 0.3233, 0.3527



43.5025, 0.3781, 0.5379



4.2852, 0.3830, 0.5341

Inverse Universe

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



65.0317, 0.2873, 0.2749



59.1546, 0.2814, 0.2627



69.2000, 0.3052, 0.2777



17.5841, 0.3015, 0.3047



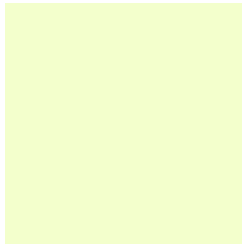
4.3310, 0.1629, 0.0671



0.4690, 0.1735, 0.0729

Previews

White Background



This preview shows how the Yxy color 94.9343, 0.3350, 0.3803 looks on a white background.

Color Contrast Check

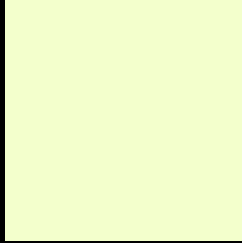
Large Text (above 18pt) WCAG AA × Fail

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 94.9343, 0.3350, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

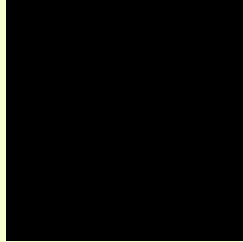
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

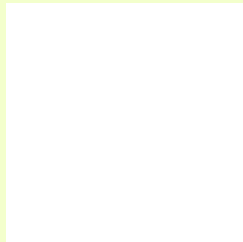
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.9343, 0.3350, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 94.9343, 0.3350, 0.3803.

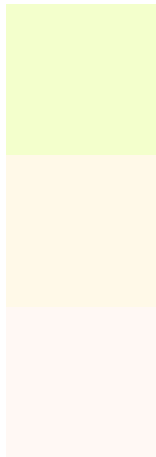


This preview shows how white text looks on a background with the Yxy color 94.9343, 0.3350, 0.3803.

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

94.9343, 0.3350, 0.3803

Protanopia

94.8376, 0.3268, 0.3456

Deuteranopia

94.9265, 0.3196, 0.3329

Tritanopia

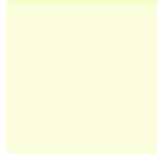
94.6788, 0.3099, 0.3223

Trichromacy



Original Color

94.9343, 0.3350, 0.3803



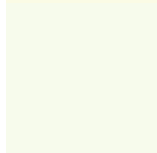
Protanomaly

94.7775, 0.3300, 0.3576



Deuteranomaly

95.1607, 0.3258, 0.3506



Tritanomaly

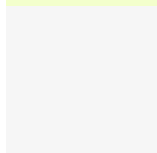
94.8246, 0.3190, 0.3438

Monochromacy



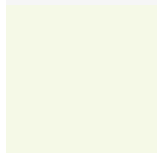
Original Color

94.9343, 0.3350, 0.3803



Achromatopsia

92.1582, 0.3127, 0.3290



Achromatomaly

92.9334, 0.3209, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.9343, 0.3350, 0.3803 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(243, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 204)  
}
```

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(243, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 94.9343, 0.3350, 0.3803 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(243, 255, 204) }
```

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

```
.border{ border-color:rgb(243, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 94.9343, 0.3350, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 204) }
```

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

```
.background{ background-color: rgb(243,  
255, 204) }
```

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