

Converting Colors

$Y_{xy}(100.0000, 0.3330, 0.3874)$

Have a look what the booklet for
Yxy(100.0000, 0.3330, 0.3874)
contains.

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Color

Yxy(94.7569, 0.3344, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFCC
RGB	242, 255, 204
RGB Percent	95%, 100%, 80%
CMY	0.0509, 0.0000, 0.2002
CMYK	0.05, 0.00, 0.20, 0.00
HSL	75°, 100%, 90%
HSV	75°, 20%, 100%
XYZ	83.2765, 94.7569, 70.9992
YIQ	245.2990, 8.6230, -18.6170

Conversions

Conversions Part 2

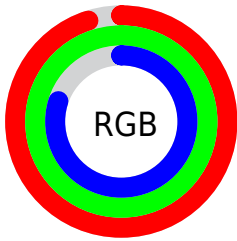
Format	Color
RYB	204, 255, 217
Decimal	15925196
CIELab	97.94, -12.66, 23.01
CIELCh	98, 26.263, 118.819
Yxy	94.7569, 0.3344, 0.3805
Android (android.graphics.Color)	4294115276 (0xFFFF2FFCC)
YUV	245.2990, -20.3604, -2.8932
Hunter-Lab	97.3432, -17.6448, 24.8959

Details

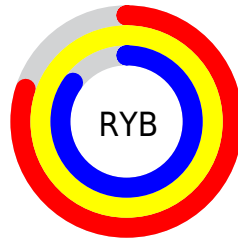
The Yxy color **94.7569, 0.3344, 0.3805** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.1281, 0.2880, 0.2749**, and the grayscale version is **91.7249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.0293, 0.3387, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **92.5051, 0.3450, 0.4077**, and if you desaturate by 10%, it is **97.2511, 0.3235, 0.3541**.

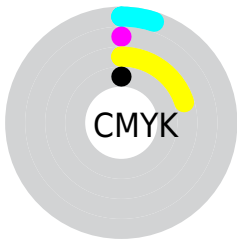
Distribution



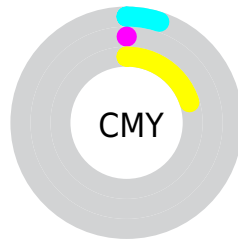
- Red (95%)
- Green (100%)
- Blue (80%)



- 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 94.7569, 0.3344, 0.3805 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 94.7569, 0.3344, 0.3805 by changing the saturation by 10% instead.

94.7569, 0.3344,
0.3805

94.7569, 0.3344,
0.3805

543.3864, 0.3251,
0.3573

71.9327, 0.3363,
0.3856

153.9287, 0.3313,
0.3726

53.1037, 0.3386,
0.3919

191.0451, 0.3301,
0.3695

37.8855, 0.3414,
0.3997

233.6943, 0.3290,
0.3668

25.8939, 0.3448,
0.4097

282.2607, 0.3281,
0.3644

16.7443, 0.3490,
0.4229

337.1287, 0.3272,
0.3623

10.0523, 0.3543,
0.4410

398.6827, 0.3265,

5.4337, 0.3609,

0.3605

0.4673

467.3072, 0.3258,
0.3588

■ 2.5039, 0.3724,
0.5140

■ 0.8786, 0.3745,
0.6255

■ 94.7569, 0.3344,
0.3805

■ 94.7569, 0.3344,
0.3805

■ 92.5051, 0.3450,
0.4077

■ 97.2511, 0.3235,
0.3541

■ 90.4834, 0.3550,
0.4350

99.9952, 0.3127,
0.3290

■ 88.6817, 0.3636,
0.4612

100.0000, 0.3127,
0.3290

■ 87.0879, 0.3706,
0.4853

■ 85.6885, 0.3752,
0.5060

■ 84.4685, 0.3773,
0.5224

■ 83.4097, 0.3768,
0.5339

■ 82.4842, 0.3741,
0.5411

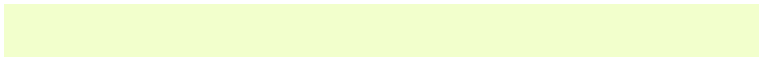
Harmonies

Analogous

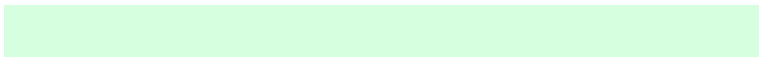
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7569, 0.3583, 0.3757



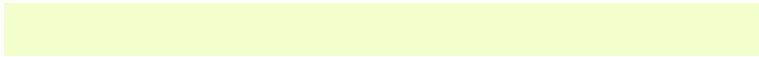
94.7569, 0.3344, 0.3805



94.7569, 0.3054, 0.3698

Triad

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



94.7569, 0.3344, 0.3805



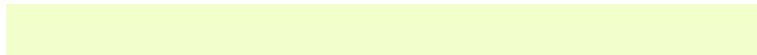
94.7569, 0.2584, 0.2958



94.7569, 0.3463, 0.3116

Complementary

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



94.7569, 0.3344, 0.3805



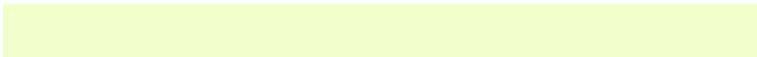
65.1281, 0.2880, 0.2749

Split Complementary

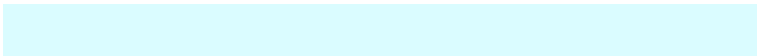
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7569, 0.3180, 0.2926



94.7569, 0.3344, 0.3805



94.7569, 0.2681, 0.2830

Square

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



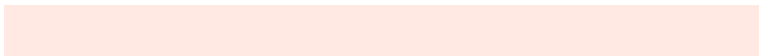
94.7569, 0.3344, 0.3805



94.7569, 0.2624, 0.3189



94.7569, 0.2895, 0.2822



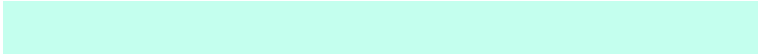
94.7569, 0.3657, 0.3353

Rectangle

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



94.7569, 0.3344, 0.3805



94.7569, 0.2873, 0.3553



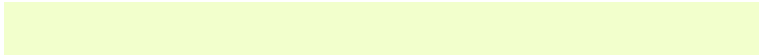
94.7569, 0.2895, 0.2822



94.7569, 0.3374, 0.3045

Sweetspot

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



94.7576, 0.3344, 0.3805



98.3227, 0.3192, 0.3438



75.0979, 0.3502, 0.3421



21.0072, 0.3199, 0.3455



0.0000, 0.0000, 0.0000



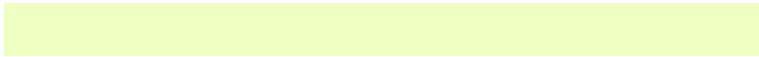
21.4041, 0.3127, 0.3290

Same Dimension

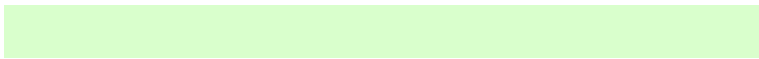
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.7576, 0.3344, 0.3805



93.8320, 0.3387, 0.3913



90.5861, 0.3181, 0.3832



20.8445, 0.3230, 0.3528



43.1747, 0.3749, 0.5405



4.2557, 0.3802, 0.5364

Inverse Universe

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



65.1281, 0.2880, 0.2749



59.3237, 0.2822, 0.2628



69.3050, 0.3058, 0.2777



17.6010, 0.3018, 0.3047



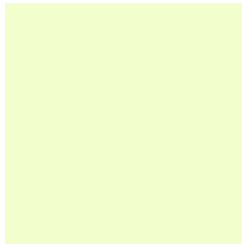
4.4169, 0.1648, 0.0681



0.4794, 0.1758, 0.0742

Previews

White Background



This preview shows how the Yxy color 94.7569, 0.3344, 0.3805 looks on a white background.

Color Contrast Check

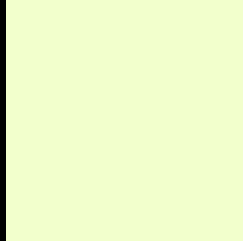
Large Text (above 18pt) WCAG AA × Fail

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 94.7569, 0.3344, 0.3805 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

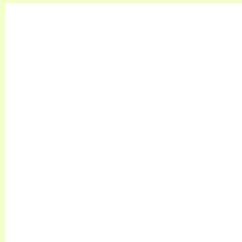
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.7569, 0.3344, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 94.7569, 0.3344, 0.3805.

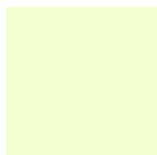


This preview shows how white text looks on a background with the Yxy color 94.7569, 0.3344, 0.3805.

Color Blindness Simulation

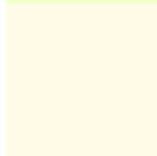
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



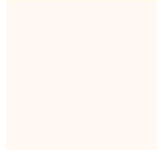
Original Color

94.7569, 0.3344, 0.3805



Protanopia

94.7809, 0.3274, 0.3466



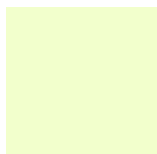
Deuteranopia

94.8659, 0.3202, 0.3338

Tritanopia

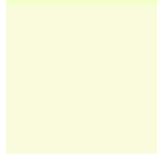
94.6788, 0.3099, 0.3223

Trichromacy



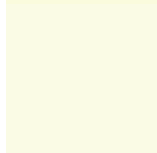
Original Color

94.7569, 0.3344, 0.3805



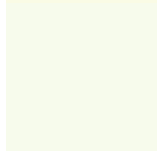
Protanomaly

94.5388, 0.3300, 0.3587



Deuteranomaly

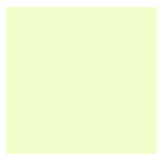
94.9755, 0.3251, 0.3506



Tritanomaly

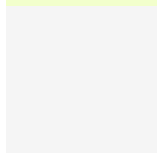
94.8246, 0.3190, 0.3438

Monochromacy



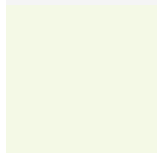
Original Color

94.7569, 0.3344, 0.3805



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.6976, 0.3208, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.7569, 0.3344, 0.3805 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(242, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 94.7569, 0.3344, 0.3805 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(242, 255, 204) }
```

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

```
.border{ border-color:rgb(242, 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(242, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 94.7569, 0.3344, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 204) }
```

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

```
.background{ background-color: rgb(242,  
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](#).

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