

Converting Colors

$Y_{xy}(100.0000, 0.3286, 0.3839)$

Have a look what the booklet for
Yxy(100.0000, 0.3286, 0.3839)
contains.

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Color

Yxy(94.4742, 0.3294, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFD1
RGB	239, 255, 209
RGB Percent	94%, 100%, 82%
CMY	0.0630, 0.0000, 0.1803
CMYK	0.06, 0.00, 0.18, 0.00
HSL	81°, 100%, 91%
HSV	81°, 18%, 100%
XYZ	82.8536, 94.4742, 74.2010
YIQ	244.9720, 5.2300, -17.6980

Conversions

Conversions Part 2

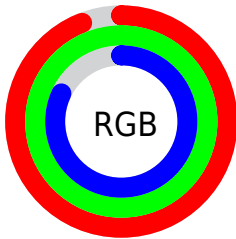
Format	Color
R _Y B	209, 255, 225
Decimal	15728593
CIE Lab	97.82, -12.98, 20.25
CIE LCh	98, 24.051, 122.669
Yxy	94.4742, 0.3294, 0.3756
Android (android.graphics.Color)	4293918673 (0xFFEFFFFD1)
YUV	244.9720, -17.7342, -5.2374
Hunter-Lab	97.1978, -17.9389, 22.7764

Details

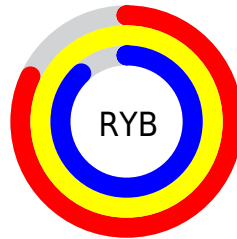
The Yxy color $94.4742, 0.3294, 0.3756$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $68.8492, 0.2937, 0.2812$, and the grayscale version is $91.4168, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $52.7885, 0.3332, 0.3862$ is the 20% darker color. If you saturate the color by 10%, you get $91.7911, 0.3384, 0.4034$, and if you desaturate by 10%, it is $97.4194, 0.3201, 0.3491$.

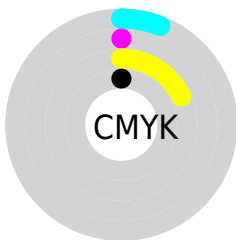
Distribution



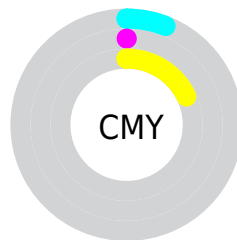
- Red (94%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (88%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.4742, 0.3294, 0.3756 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 94.4742, 0.3294, 0.3756 by changing the saturation by 10% instead.


 94.4742, 0.3294,
0.3756

 94.4742, 0.3294,
0.3756


542.4803, 0.3223,
0.3546

 71.6974, 0.3309,
0.3803

153.5380, 0.3271,
0.3684

 52.9115, 0.3326,
0.3860


190.5938, 0.3261,
0.3656

 37.7322, 0.3348,
0.3931


233.1781, 0.3253,
0.3631

 25.7749, 0.3374,
0.4022

281.6752, 0.3245,
0.3610

 16.6553, 0.3406,
0.4143

336.4696, 0.3239,
0.3591

 9.9890, 0.3447,
0.4310

397.9457, 0.3233,

 5.3917, 0.3498,

0.3574

0.4556

466.4878, 0.3228,
0.3559

■ 2.4789, 0.3567,
0.4965

■ 0.8660, 0.3689,
0.6311

■ 94.4742, 0.3294,
0.3756

■ 94.4742, 0.3294,
0.3756

■ 91.7911, 0.3384,
0.4034

■ 97.4194, 0.3201,
0.3491

■ 89.3839, 0.3468,
0.4318

100.0000, 0.3127,
0.3290

■ 87.2331, 0.3541,
0.4598

■ 85.3261, 0.3597,
0.4861

■ 83.6491, 0.3632,
0.5095

■ 82.1866, 0.3642,
0.5288

■ 80.9204, 0.3627,
0.5431

■ 79.8262, 0.3590,
0.5523

■ 79.6246, 0.3581,
0.5539

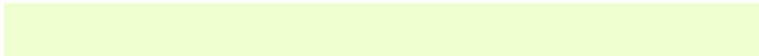
Harmonies

Analogous

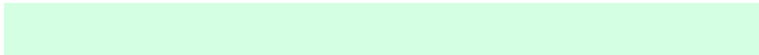
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4742, 0.3522, 0.3732



94.4742, 0.3294, 0.3756



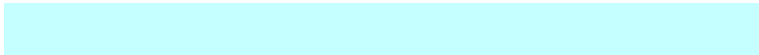
94.4742, 0.3028, 0.3641

Triad

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



94.4742, 0.3294, 0.3756



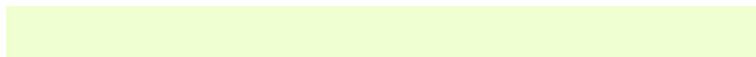
94.4742, 0.2632, 0.2965



94.4742, 0.3464, 0.3157

Complementary

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



94.4742, 0.3294, 0.3756



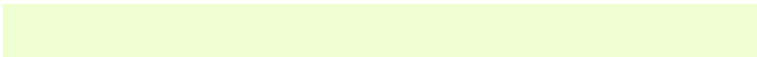
68.8492, 0.2937, 0.2812

Split Complementary

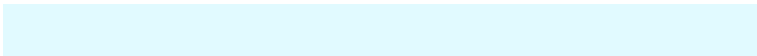
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4742, 0.3212, 0.2973



94.4742, 0.3294, 0.3756



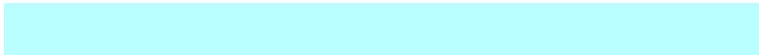
94.4742, 0.2737, 0.2860

Square

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



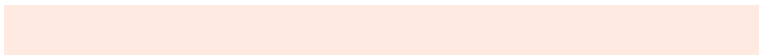
94.4742, 0.3294, 0.3756



94.4742, 0.2653, 0.3167



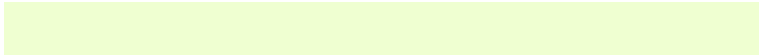
94.4742, 0.2946, 0.2866



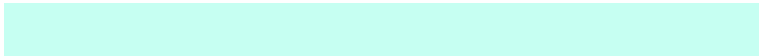
94.4742, 0.3625, 0.3379

Rectangle

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



94.4742, 0.3294, 0.3756



94.4742, 0.2865, 0.3500



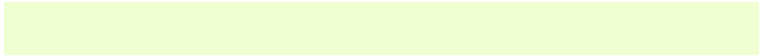
94.4742, 0.2946, 0.2866



94.4742, 0.3386, 0.3090

Sweetspot

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



94.4660, 0.3294, 0.3756



98.3714, 0.3173, 0.3413



79.3618, 0.3452, 0.3446



21.0078, 0.3180, 0.3431



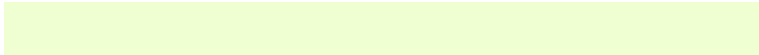
0.0000, 0.0000, 0.0000



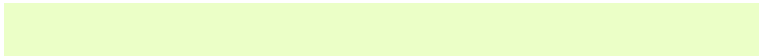
21.4041, 0.3127, 0.3290

Same Dimension

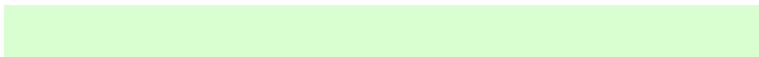
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4660, 0.3294, 0.3756



93.3718, 0.3330, 0.3865



90.8275, 0.3152, 0.3777



20.7548, 0.3215, 0.3529



41.6919, 0.3591, 0.5531



4.1203, 0.3660, 0.5476

Inverse Universe

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



68.8492, 0.2937, 0.2812



63.0011, 0.2888, 0.2696



72.6656, 0.3093, 0.2834



17.6861, 0.3033, 0.3048



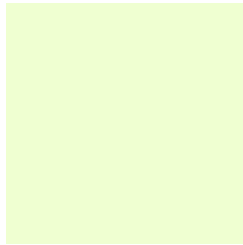
4.9577, 0.1765, 0.0746



0.5408, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 94.4742, 0.3294, 0.3756 looks on a white background.

Color Contrast Check

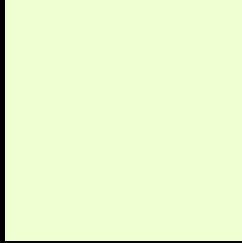
Large Text (above 18pt) WCAG AA × Fail

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 94.4742, 0.3294, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

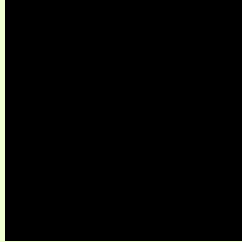
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

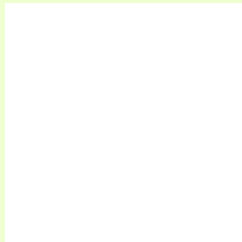
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.4742, 0.3294, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 94.4742, 0.3294, 0.3756.

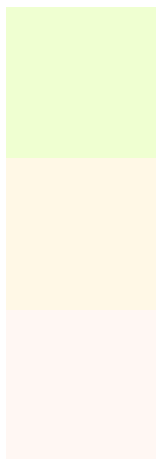


This preview shows how white text looks on a background with the Yxy color 94.4742, 0.3294, 0.3756.

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

94.4742, 0.3294, 0.3756

Protanopia

94.1080, 0.3281, 0.3466

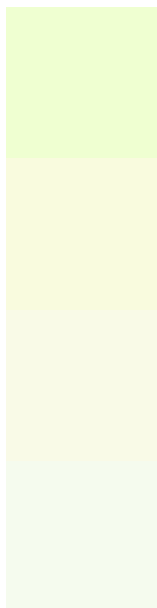
Deuteranopia

94.2526, 0.3203, 0.3329

Tritanopia

94.3113, 0.3086, 0.3222

Trichromacy



Original Color

94.4742, 0.3294, 0.3756

Protanomaly

94.4080, 0.3287, 0.3577

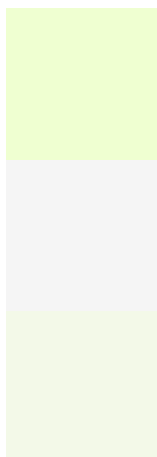
Deuteranomaly

94.2805, 0.3234, 0.3477

Tritanomaly

94.5799, 0.3165, 0.3418

Monochromacy



Original Color

94.4742, 0.3294, 0.3756

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.6322, 0.3190, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.4742, 0.3294, 0.3756 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(239, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 209)  
}
```

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(239, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 94.4742, 0.3294, 0.3756 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(239, 255, 209) }
```

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

```
.border{ border-color:rgb(239, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 94.4742, 0.3294, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 209) }
```

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

```
.background{ background-color: rgb(239,  
255, 209) }
```

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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