

# Converting Colors

$Y_{xy}(101.8675, 0.3206, 0.3828)$

Have a look what the booklet for  
Yxy(101.8675, 0.3206, 0.3828)  
contains.

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# Color

**Yxy(93.5308, 0.3220, 0.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFD6
RGB	232, 255, 214
RGB Percent	91%, 100%, 84%
CMY	0.0902, 0.0000, 0.1608
CMYK	0.09, 0.00, 0.16, 0.00
HSL	94°, 100%, 92%
HSV	94°, 16%, 100%
XYZ	81.1777, 93.5308, 77.3961
YIQ	243.4490, -0.5470, -17.6270

# Conversions

## Conversions Part 2

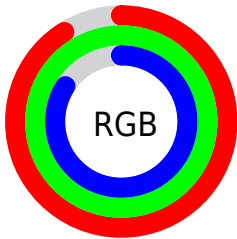
Format	Color
R <sub>Y</sub> B	214, 255, 237
Decimal	15269846
CIE Lab	97.44, -14.59, 17.10
CIE LCh	97, 22.476, 130.464
Yxy	93.5308, 0.3220, 0.3710
Android (android.graphics.Color)	4293459926 (0xFFE8FFD6)
YUV	243.4490, -14.5184, -10.0408
Hunter-Lab	96.7113, -19.4153, 20.2493

# Details

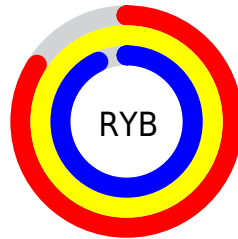
The Yxy color **93.5308, 0.3220, 0.3710** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.3213, 0.3020, 0.2875**, and the grayscale version is **90.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1215, 0.3238, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **90.0321, 0.3275, 0.4000**, and if you desaturate by 10%, it is **97.4308, 0.3162, 0.3442**.

# Distribution



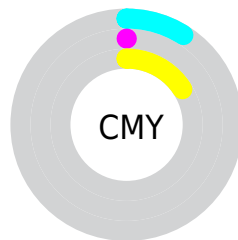
- Red (91%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.5308, 0.3220, 0.3710 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 93.5308, 0.3220, 0.3710 by changing the saturation by 10% instead.




 93.5308, 0.3220,  
0.3710

 93.5308, 0.3220,  
0.3710


539.4507, 0.3181,  
0.3520

 70.9128, 0.3228,  
0.3752

152.2333, 0.3207,  
0.3645

 52.2710, 0.3237,  
0.3804


189.0865, 0.3202,  
0.3619

 37.2211, 0.3248,  
0.3869


231.4536, 0.3198,  
0.3597

 25.3788, 0.3262,  
0.3953

279.7190, 0.3194,  
0.3578

 16.3595, 0.3278,  
0.4065

334.2669, 0.3190,  
0.3561

 9.7789, 0.3297,  
0.4221

395.4820, 0.3187,

 5.2526, 0.3319,

0.3546

0.4453

463.7484, 0.3184,  
0.3532

■ 2.3962, 0.3336,  
0.4834

■ 0.8239, 0.3414,  
0.6586

■ 93.5308, 0.3220,  
0.3710

■ 93.5308, 0.3220,  
0.3710

■ 90.0321, 0.3275,  
0.4000

■ 97.4308, 0.3162,  
0.3442

■ 86.9169, 0.3324,  
0.4305

100.0000, 0.3127,  
0.3290

■ 84.1714, 0.3363,  
0.4616

■ 81.7795, 0.3388,  
0.4919

■ 79.7237, 0.3395,  
0.5199

■ 77.9845, 0.3382,  
0.5439

■ 76.5399, 0.3348,  
0.5623

■ 75.3636, 0.3296,  
0.5746

■ 74.9621, 0.3274,  
0.5783

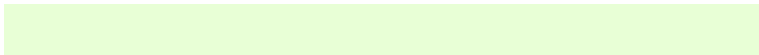
# Harmonies

## Analogous

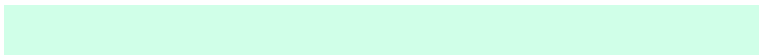
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5308, 0.3450, 0.3722



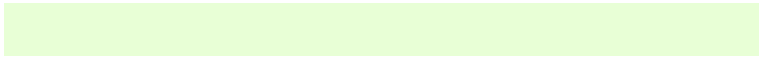
93.5308, 0.3220, 0.3710



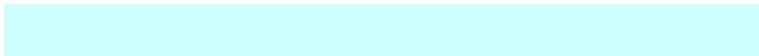
93.5308, 0.2972, 0.3571

# Triad

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



93.5308, 0.3220, 0.3710



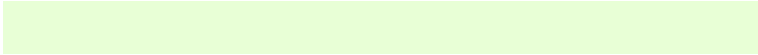
93.5308, 0.2677, 0.2950



93.5308, 0.3493, 0.3218

# Complementary

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



93.5308, 0.3220, 0.3710



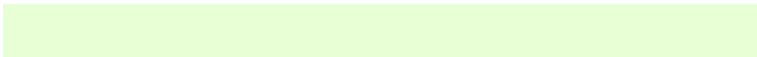
73.3213, 0.3020, 0.2875

# Split Complementary

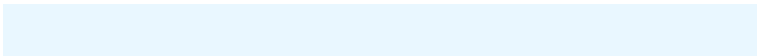
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5308, 0.3272, 0.3032



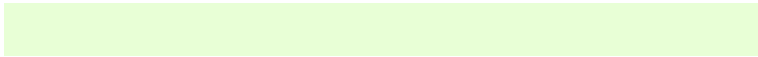
93.5308, 0.3220, 0.3710



93.5308, 0.2804, 0.2877

# Square

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



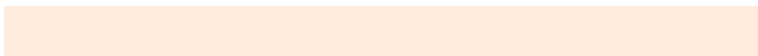
93.5308, 0.3220, 0.3710



93.5308, 0.2665, 0.3120



93.5308, 0.3019, 0.2909

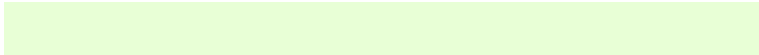


93.5308, 0.3613, 0.3429

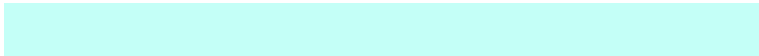


# Rectangle

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



93.5308, 0.3220, 0.3710



93.5308, 0.2829, 0.3428



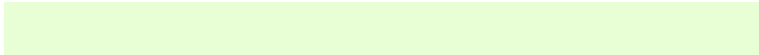
93.5308, 0.3019, 0.2909



93.5308, 0.3427, 0.3151

# Sweetspot

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



93.5320, 0.3220, 0.3710



97.8745, 0.3156, 0.3414



86.4252, 0.3398, 0.3515



20.8870, 0.3160, 0.3432



0.0000, 0.0000, 0.0000

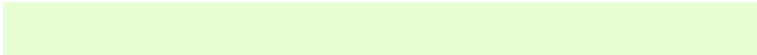


21.4041, 0.3127, 0.3290

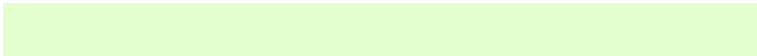


# Same Dimension

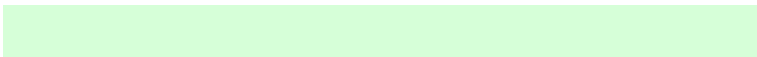
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5320, 0.3220, 0.3710



92.4679, 0.3236, 0.3793



90.7779, 0.3095, 0.3702



20.5583, 0.3182, 0.3531



39.2541, 0.3285, 0.5773



3.8854, 0.3373, 0.5704



# Inverse Universe

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



73.3213, 0.3020, 0.2875



69.0743, 0.2997, 0.2794



76.4452, 0.3160, 0.2910



17.8803, 0.3067, 0.3051



6.9158, 0.2145, 0.0955

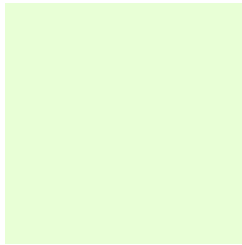


0.7381, 0.2260, 0.1019



# Previews

## White Background



This preview shows how the Yxy color 93.5308, 0.3220, 0.3710 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 93.5308, 0.3220, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

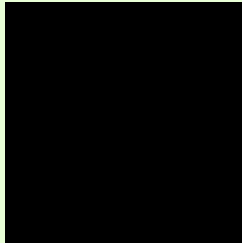
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

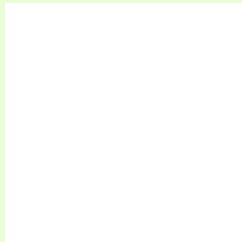
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.5308, 0.3220, 0.3710**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.5308, 0.3220, 0.3710.

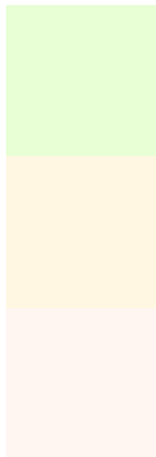


This preview shows how white text looks on a background with the Yxy color 93.5308, 0.3220, 0.3710.

# 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

93.5308, 0.3220, 0.3710

### Protanopia

93.2725, 0.3307, 0.3496

### Deuteranopia

93.5823, 0.3209, 0.3329

## **Tritanopia**

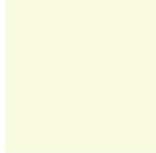
93.1540, 0.3068, 0.3212

# Trichromacy



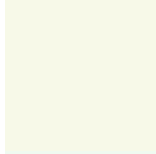
## Original Color

93.5308, 0.3220, 0.3710



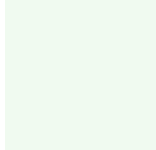
## Protanomaly

93.4193, 0.3275, 0.3569



## Deuteranomaly

93.3517, 0.3216, 0.3458



## Tritanomaly

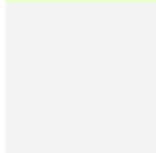
93.1877, 0.3122, 0.3389

# Monochromacy



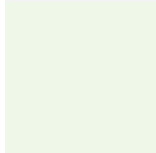
## Original Color

93.5308, 0.3220, 0.3710



## Achromatopsia

89.6269, 0.3127, 0.3290



## Achromatomaly

90.6984, 0.3165, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.5308, 0.3220, 0.3710 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(232, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 214)  
}
```

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(232, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 93.5308, 0.3220, 0.3710 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(232, 255, 214) }
```

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

```
.border{ border-color:rgb(232, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.5308, 0.3220, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 214) }
```

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

```
.background{ background-color: rgb(232,  
255, 214) }
```

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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