

# Converting Colors

$Yxy(94.6639, 0.3193, 0.3614)$

Have a look what the booklet for  
Yxy(94.6639, 0.3193, 0.3614)  
contains.

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# Color

**Yxy(94.6806, 0.3193, 0.3613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFFDF
RGB	236, 255, 223
RGB Percent	93%, 100%, 87%
CMY	0.0745, 0.0000, 0.1254
CMYK	0.07, 0.00, 0.13, 0.00
HSL	96°, 100%, 94%
HSV	96°, 13%, 100%
XYZ	83.6743, 94.6806, 83.7005
YIQ	245.6710, -1.0520, -13.9800

# Conversions

## Conversions Part 2

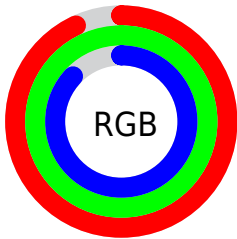
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 255, 242
Decimal	15531999
CIE Lab	97.91, -11.77, 13.18
CIE LCh	98, 17.667, 131.765
Yxy	94.6806, 0.3193, 0.3613
Android (android.graphics.Color)	4293722079 (0xFFECCFFDF)
YUV	245.6710, -11.1768, -8.4815
Hunter-Lab	97.3040, -16.7850, 17.1117

# Details

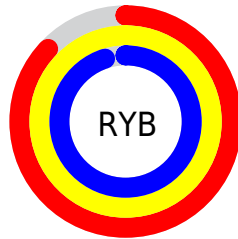
The Yxy color **94.6806, 0.3193, 0.3613** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **78.8978, 0.3053, 0.2971**, and the grayscale version is **91.9741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9186, 0.3204, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **90.9229, 0.3243, 0.3897**, and if you desaturate by 10%, it is **98.8690, 0.3141, 0.3352**.

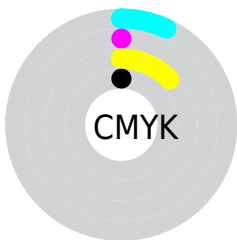
# Distribution



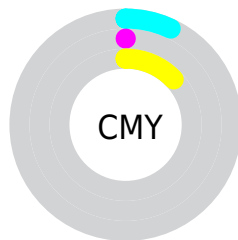
- Red (93%)
- Green (100%)
- Blue (87%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.6806, 0.3193, 0.3613 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 94.6806, 0.3193, 0.3613 by changing the saturation by 10% instead.




 94.6806, 0.3193,  
0.3613

 94.6806, 0.3193,  
0.3613

543.1420, 0.3165,  
0.3468

 71.8692, 0.3199,  
0.3645


153.8233, 0.3184,  
0.3563

 53.0518, 0.3205,  
0.3685


190.9233, 0.3180,  
0.3544

 37.8441, 0.3214,  
0.3734


233.5550, 0.3177,  
0.3527

 25.8617, 0.3223,  
0.3797

282.1027, 0.3174,  
0.3512

 16.7202, 0.3236,  
0.3881

336.9509, 0.3172,  
0.3499

 10.0352, 0.3251,  
0.3998

398.4839, 0.3169,

 5.4223, 0.3270,

0.3487

0.4171

467.0861, 0.3167,  
0.3477

■ 2.4971, 0.3291,  
0.4455

■ 0.8752, 0.3752,  
0.6030

■ 94.6806, 0.3193,  
0.3613

■ 94.6806, 0.3193,  
0.3613

■ 90.9229, 0.3243,  
0.3897

■ 98.8690, 0.3141,  
0.3352

■ 87.5762, 0.3289,  
0.4201

100.0000, 0.3127,  
0.3290

■ 84.6267, 0.3327,  
0.4515

■ 82.0576, 0.3352,  
0.4828

■ 79.8509, 0.3362,  
0.5124

■ 77.9868, 0.3352,  
0.5385

■ 76.4431, 0.3323,  
0.5594

■ 75.1938, 0.3276,  
0.5741

■ 74.4283, 0.3234,  
0.5814

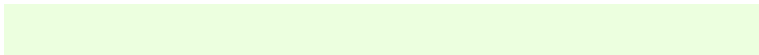
# Harmonies

## Analogous

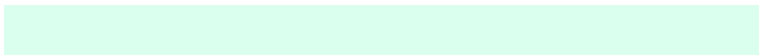
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6806, 0.3374, 0.3629



94.6806, 0.3193, 0.3613



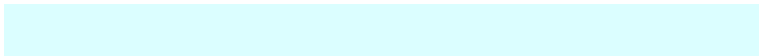
94.6806, 0.2999, 0.3502

# Triad

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



94.6806, 0.3193, 0.3613



94.6806, 0.2775, 0.3020



94.6806, 0.3419, 0.3242

# Complementary

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



94.6806, 0.3193, 0.3613



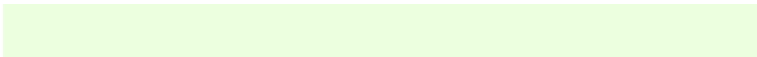
78.8978, 0.3053, 0.2971

# Split Complementary

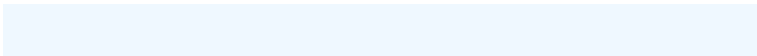
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6806, 0.3250, 0.3091



94.6806, 0.3193, 0.3613



94.6806, 0.2879, 0.2964

# Square

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



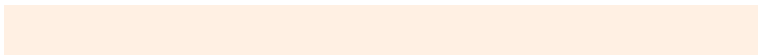
94.6806, 0.3193, 0.3613



94.6806, 0.2761, 0.3152



94.6806, 0.3052, 0.2991

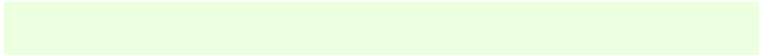


94.6806, 0.3508, 0.3409

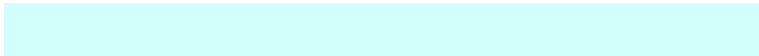


# Rectangle

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



94.6806, 0.3193, 0.3613



94.6806, 0.2887, 0.3390



94.6806, 0.3052, 0.2991



94.6806, 0.3369, 0.3188

# Sweetspot

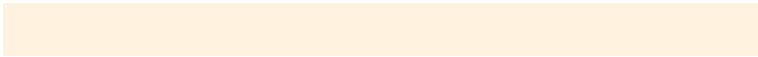
The Sweet Spot groups the original color and five complimentary colors.



94.6822, 0.3193, 0.3613



98.2285, 0.3148, 0.3389



89.9043, 0.3332, 0.3474



20.9553, 0.3152, 0.3408



0.0000, 0.0000, 0.0000

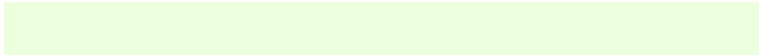


21.4041, 0.3127, 0.3290

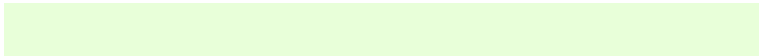


# Same Dimension

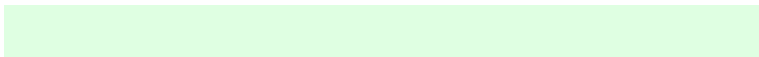
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6822, 0.3193, 0.3613



93.7165, 0.3206, 0.3681



92.6880, 0.3097, 0.3593



20.5277, 0.3177, 0.3531



38.9720, 0.3246, 0.5805



3.8564, 0.3334, 0.5735



# Inverse Universe

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



78.8978, 0.3053, 0.2971



75.1526, 0.3037, 0.2905



81.1037, 0.3159, 0.3005



17.9115, 0.3073, 0.3051



7.3291, 0.2217, 0.0995



0.7774, 0.2327, 0.1056



# Previews

## White Background



This preview shows how the Yxy color 94.6806, 0.3193, 0.3613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

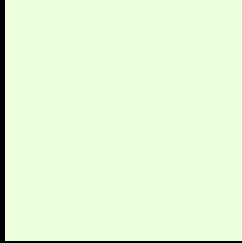
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.6806, 0.3193, 0.3613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

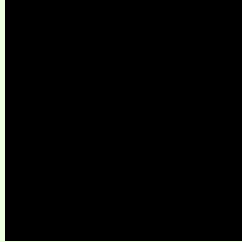
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

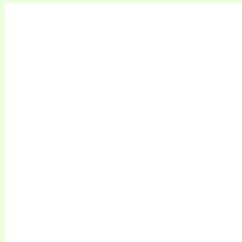
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.6806, 0.3193, 0.3613**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.6806, 0.3193, 0.3613.

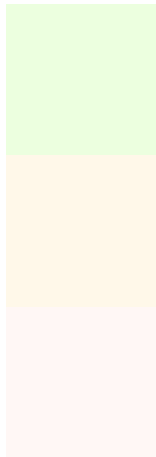


This preview shows how white text looks on a background with the Yxy color 94.6806, 0.3193, 0.3613.

# 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

94.6806, 0.3193, 0.3613

### Protanopia

94.2780, 0.3263, 0.3436

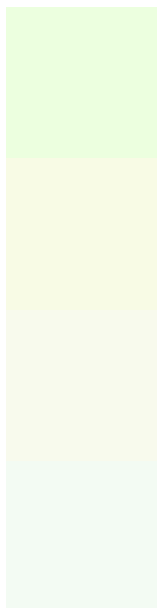
### Deuteranopia

94.3741, 0.3191, 0.3309

## Tritanopia

94.7455, 0.3080, 0.3232

# Trichromacy



## Original Color

94.6806, 0.3193, 0.3613

## Protanomaly

94.6080, 0.3238, 0.3507

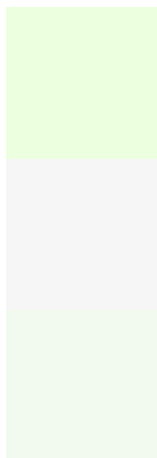
## Deuteranomaly

94.4421, 0.3191, 0.3418

## Tritanomaly

94.5201, 0.3123, 0.3369

# Monochromacy



## Original Color

94.6806, 0.3193, 0.3613

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.8017, 0.3147, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.6806, 0.3193, 0.3613 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(236, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 94.6806, 0.3193, 0.3613 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(236, 255, 223) }
```

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

```
.border{ border-color:rgb(236, 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(236, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.6806, 0.3193, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 223) }
```

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

```
.background{ background-color: rgb(236,  
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](#).

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