

# Converting Colors

$Y_{xy}(100.0000, 0.3143, 0.3631)$

Have a look what the booklet for  
Yxy(100.0000, 0.3143, 0.3631)  
contains.

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# Color

**Yxy(94.6696, 0.3146, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF FE5
RGB	234, 255, 229
RGB Percent	92%, 100%, 90%
CMY	0.0822, 0.0000, 0.1018
CMYK	0.08, 0.00, 0.10, 0.00
HSL	108°, 100%, 95%
HSV	108°, 10%, 100%
XYZ	83.8487, 94.6696, 88.0065
YIQ	245.7570, -4.1700, -12.5380

# Conversions

## Conversions Part 2

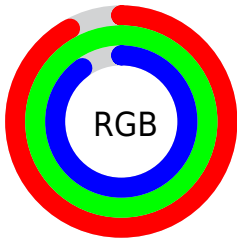
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 255, 250
Decimal	15400933
CIE <sub>Lab</sub>	97.90, -11.42, 10.08
CIE <sub>LCh</sub>	98, 15.229, 138.554
Yxy	94.6696, 0.3146, 0.3552
Android (android.graphics.Color)	4293591013 (0xFFEAF <sub>FE5</sub> )
YUV	245.7570, -8.2612, -10.3109
Hunter-Lab	97.2983, -16.4462, 14.4809

# Details

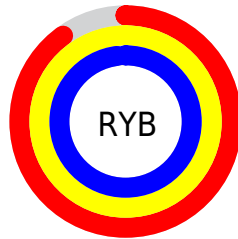
The Yxy color **94.6696, 0.3146, 0.3552** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83.5979, 0.3105, 0.3036**, and the grayscale version is **92.0325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9091, 0.3144, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **90.0680, 0.3162, 0.3840**, and if you desaturate by 10%, it is **99.8931, 0.3128, 0.3294**.

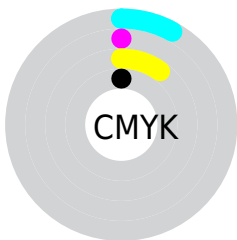
# Distribution



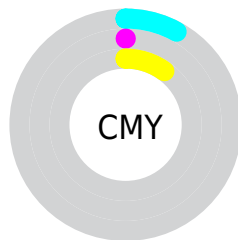
- Red (92%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.6696, 0.3146, 0.3552 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 94.6696, 0.3146, 0.3552 by changing the saturation by 10% instead.




 94.6696, 0.3146,  
0.3552

 94.6696, 0.3146,  
0.3552


543.1067, 0.3139,  
0.3434

 71.8600, 0.3147,  
0.3578


153.8081, 0.3144,  
0.3512

 53.0443, 0.3149,  
0.3610

190.9057, 0.3143,  
0.3496

 37.8382, 0.3151,  
0.3650


233.5349, 0.3142,  
0.3482

 25.8571, 0.3153,  
0.3701

282.0799, 0.3141,  
0.3470

 16.7168, 0.3155,  
0.3768

336.9252, 0.3140,  
0.3460

 10.0328, 0.3157,  
0.3863

398.4552, 0.3140,

 5.4207, 0.3157,

0.3450

0.4004

467.0542, 0.3139,  
0.3442

■ 2.4961, 0.3153,  
0.4234

■ 0.8747, 0.3300,  
0.5222

■ 94.6696, 0.3146,  
0.3552

■ 94.6696, 0.3146,  
0.3552

■ 90.0680, 0.3162,  
0.3840

99.8931, 0.3128,  
0.3294

■ 86.0533, 0.3175,  
0.4155

99.9946, 0.3127,  
0.3290

■ 82.6052, 0.3183,  
0.4491

■ 79.6976, 0.3183,  
0.4833

■ 77.3025, 0.3174,  
0.5164

■ 75.3892, 0.3156,  
0.5461

■ 73.9233, 0.3127,  
0.5700

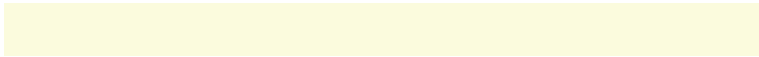
■ 72.8657, 0.3092,  
0.5865

■ 72.1729, 0.3056,  
0.5956

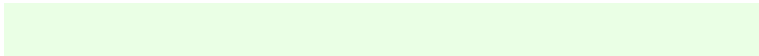
# Harmonies

## Analogous

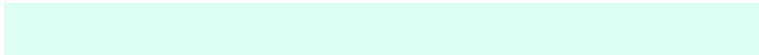
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6696, 0.3309, 0.3586



94.6696, 0.3146, 0.3552



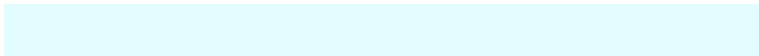
94.6696, 0.2982, 0.3441

# Triad

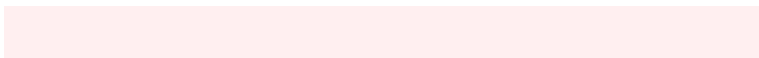
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.6696, 0.3146, 0.3552



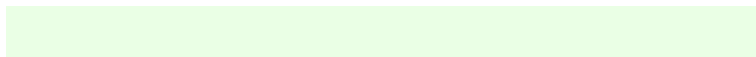
94.6696, 0.2836, 0.3040



94.6696, 0.3403, 0.3282

# Complementary

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



94.6696, 0.3146, 0.3552



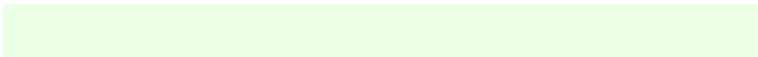
83.5979, 0.3105, 0.3036

# 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.



94.6696, 0.3270, 0.3145



94.6696, 0.3146, 0.3552



94.6696, 0.2943, 0.3007

# Square

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



94.6696, 0.3146, 0.3552



94.6696, 0.2806, 0.3142



94.6696, 0.3101, 0.3045

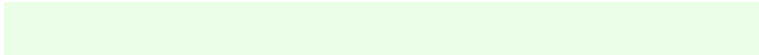


94.6696, 0.3460, 0.3425

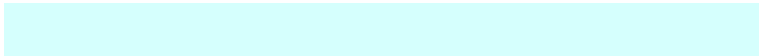


# Rectangle

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



94.6696, 0.3146, 0.3552



94.6696, 0.2893, 0.3342



94.6696, 0.3101, 0.3045



94.6696, 0.3365, 0.3234

# Sweetspot

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



94.6737, 0.3146, 0.3552



98.3649, 0.3133, 0.3364



95.1646, 0.3285, 0.3493



20.9627, 0.3134, 0.3384



0.0000, 0.0000, 0.0000

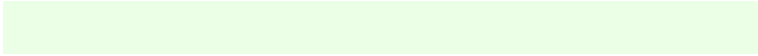


21.4041, 0.3127, 0.3290

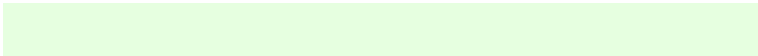


# Same Dimension

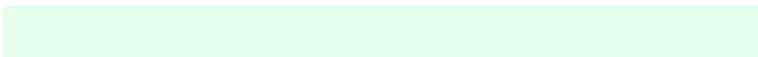
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6737, 0.3146, 0.3552



93.7972, 0.3149, 0.3602



94.2824, 0.3071, 0.3474



20.3368, 0.3145, 0.3534



37.7624, 0.3064, 0.5950



3.7190, 0.3131, 0.5896



# Inverse Universe

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



83.5979, 0.3105, 0.3036



80.9036, 0.3101, 0.2990



84.0443, 0.3189, 0.3113



18.1128, 0.3107, 0.3054



10.6759, 0.2724, 0.1274



1.0828, 0.2782, 0.1306



# Previews

## White Background



This preview shows how the Yxy color 94.6696, 0.3146, 0.3552 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 94.6696, 0.3146, 0.3552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

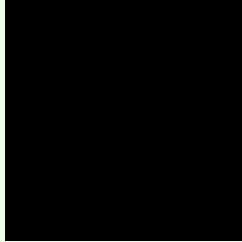
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

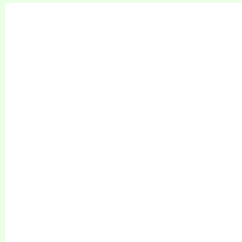
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.6696, 0.3146, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.6696, 0.3146, 0.3552.

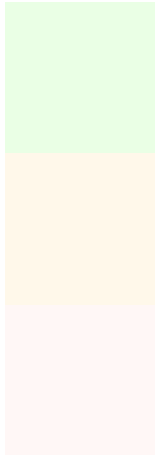


This preview shows how white text looks on a background with the Yxy color 94.6696, 0.3146, 0.3552.

# 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

94.6696, 0.3146, 0.3552

### Protanopia

94.3353, 0.3257, 0.3426

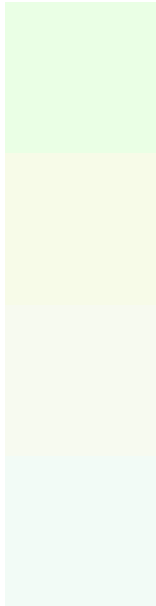
### Deuteranopia

94.4353, 0.3185, 0.3300

## Tritanopia

94.5642, 0.3073, 0.3232

# Trichromacy



## Original Color

94.6696, 0.3146, 0.3552

## Protanomaly

94.5947, 0.3214, 0.3478

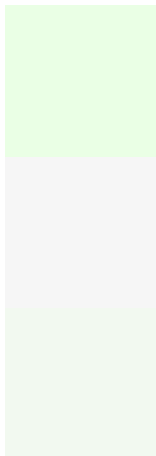
## Deuteranomaly

94.4366, 0.3167, 0.3388

## Tritanomaly

94.5254, 0.3100, 0.3339

# Monochromacy



## Original Color

94.6696, 0.3146, 0.3552

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.9199, 0.3136, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.6696, 0.3146, 0.3552 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(234, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 229)  
}
```

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(234, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 94.6696, 0.3146, 0.3552 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(234, 255, 229) }
```

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

```
.border{ border-color:rgb(234, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.6696, 0.3146, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 229) }
```

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

```
.background{ background-color: rgb(234,  
255, 229) }
```

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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