

# Converting Colors

$Y_{xy}(94.6619, 0.3117, 0.3515)$

Have a look what the booklet for  
Yxy(94.6619, 0.3117, 0.3515)  
contains.

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# Color

**Yxy(94.7268, 0.3117, 0.3512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFE9
RGB	233, 255, 233
RGB Percent	91%, 100%, 91%
CMY	0.0862, 0.0000, 0.0864
CMYK	0.09, 0.00, 0.09, 0.00
HSL	120°, 100%, 96%
HSV	120°, 9%, 100%
XYZ	84.0727, 94.7268, 90.9237
YIQ	245.9140, -6.0500, -11.5060

# Conversions

## Conversions Part 2

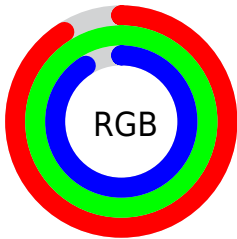
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 255, 255
Decimal	15335401
CIE Lab	97.92, -11.09, 8.08
CIE LCh	98, 13.722, 143.905
Yxy	94.7268, 0.3117, 0.3512
Android (android.graphics.Color)	4293525481 (0xFFE9FFE9)
YUV	245.9140, -6.3666, -11.3256
Hunter-Lab	97.3277, -16.1332, 12.7406

# Details

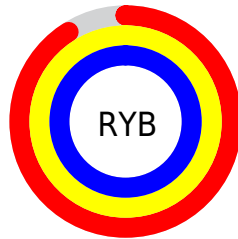
The Yxy color **94.7268, 0.3117, 0.3512** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7359, 0.3137, 0.3078**, and the grayscale version is **92.1430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9096, 0.3114, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **89.3950, 0.3104, 0.3802**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

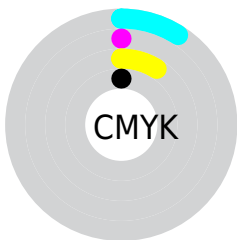
# Distribution



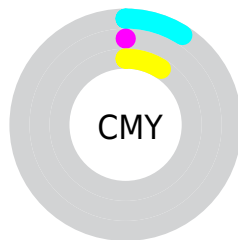
- Red (91%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.7268, 0.3117, 0.3512 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 94.7268, 0.3117, 0.3512 by changing the saturation by 10% instead.




 94.7268, 0.3117,  
0.3512

 94.7268, 0.3117,  
0.3512


543.2900, 0.3122,  
0.3413

 71.9076, 0.3116,  
0.3534


153.8871, 0.3119,  
0.3478

 53.0832, 0.3114,  
0.3561


190.9970, 0.3120,  
0.3465

 37.8692, 0.3112,  
0.3594


233.6393, 0.3120,  
0.3453

 25.8812, 0.3109,  
0.3637

282.1983, 0.3121,  
0.3443

 16.7348, 0.3104,  
0.3695

337.0585, 0.3121,  
0.3434

 10.0456, 0.3098,  
0.3774

398.6043, 0.3122,

 5.4292, 0.3087,

0.3426

0.3892

467.2200, 0.3122,  
0.3419

■ 2.5012, 0.3066,  
0.4086

■ 0.8772, 0.3077,  
0.4793

■ 94.7268, 0.3117,  
0.3512

■ 94.7268, 0.3117,  
0.3512

■ 89.3950, 0.3104,  
0.3802

100.0000, 0.3127,  
0.3290

■ 84.8550, 0.3089,  
0.4126

■ 81.0703, 0.3072,  
0.4477

■ 77.9998, 0.3056,  
0.4840

■ 75.5989, 0.3039,  
0.5192

■ 73.8175, 0.3024,  
0.5507

■ 72.5988, 0.3012,  
0.5754

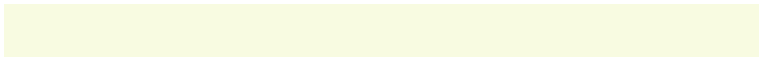
■ 71.8756, 0.3004,  
0.5916

■ 71.5531, 0.3001,  
0.5993

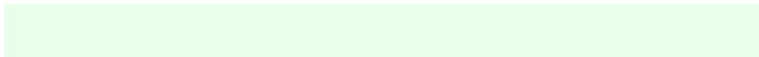
# Harmonies

## Analogous

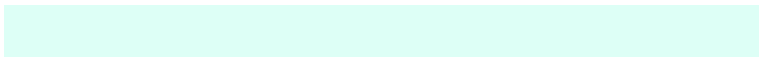
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7268, 0.3267, 0.3556



94.7268, 0.3117, 0.3512



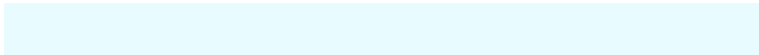
94.7268, 0.2973, 0.3403

# Triad

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



94.7268, 0.3117, 0.3512



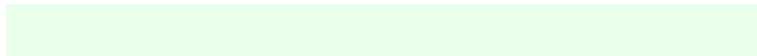
94.7268, 0.2877, 0.3054



94.7268, 0.3390, 0.3307

# Complementary

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



94.7268, 0.3117, 0.3512



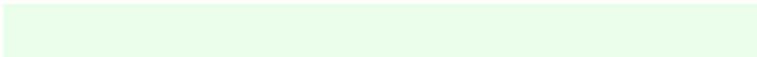
86.7359, 0.3137, 0.3078

# 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.



94.7268, 0.3281, 0.3179



94.7268, 0.3117, 0.3512



94.7268, 0.2984, 0.3036

# Square

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



94.7268, 0.3117, 0.3512



94.7268, 0.2836, 0.3137



94.7268, 0.3132, 0.3081

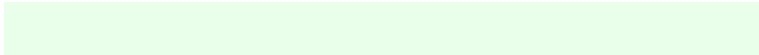


94.7268, 0.3427, 0.3433



# Rectangle

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



94.7268, 0.3117, 0.3512



94.7268, 0.2898, 0.3311



94.7268, 0.3132, 0.3081



94.7268, 0.3360, 0.3263

# Sweetspot

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



94.7281, 0.3117, 0.3512



98.0975, 0.3124, 0.3364



98.4278, 0.3256, 0.3500



20.8908, 0.3123, 0.3384



0.0000, 0.0000, 0.0000

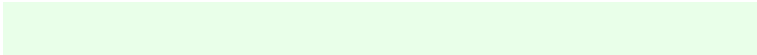


21.4041, 0.3127, 0.3290

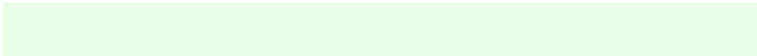


# Same Dimension

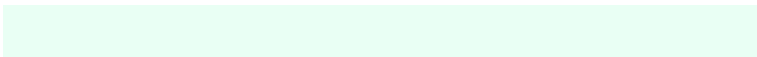
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.7281, 0.3117, 0.3512



93.9534, 0.3115, 0.3549



95.3481, 0.3056, 0.3403



20.1698, 0.3116, 0.3536



37.3730, 0.3000, 0.6000



3.6394, 0.3001, 0.5999



# Inverse Universe

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



86.7359, 0.3137, 0.3078



84.7867, 0.3138, 0.3044



86.0769, 0.3204, 0.3179



18.2986, 0.3138, 0.3056



14.8351, 0.3205, 0.1539



1.4450, 0.3205, 0.1539



# Previews

## White Background



This preview shows how the Yxy color 94.7268, 0.3117, 0.3512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

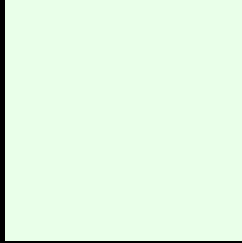
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.7268, 0.3117, 0.3512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

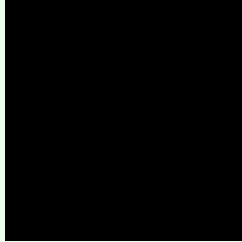
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

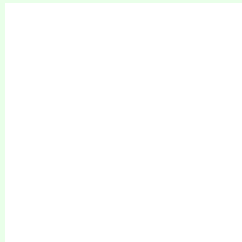
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.7268, 0.3117, 0.3512**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.7268, 0.3117, 0.3512.

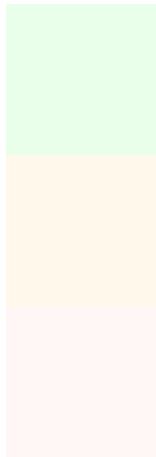


This preview shows how white text looks on a background with the Yxy color 94.7268, 0.3117, 0.3512.

# 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

94.7268, 0.3117, 0.3512

### Protanopia

94.3930, 0.3250, 0.3417

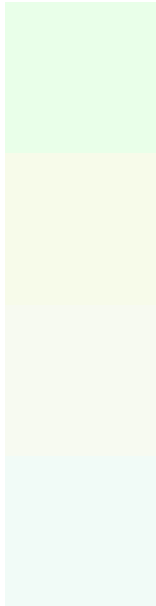
### Deuteranopia

94.4353, 0.3185, 0.3300

## Tritanopia

94.5642, 0.3073, 0.3232

# Trichromacy



## Original Color

94.7268, 0.3117, 0.3512

## Protanomaly

94.7090, 0.3202, 0.3458

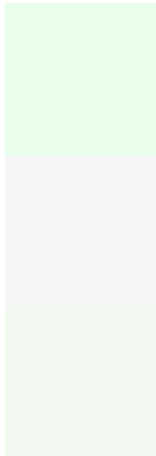
## Deuteranomaly

94.4962, 0.3161, 0.3378

## Tritanomaly

94.4105, 0.3088, 0.3329

# Monochromacy



## Original Color

94.7268, 0.3117, 0.3512

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.8030, 0.3123, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.7268, 0.3117, 0.3512 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(233, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 233)  
}
```

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(233, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 94.7268, 0.3117, 0.3512 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(233, 255, 233) }
```

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

```
.border{ border-color:rgb(233, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.7268, 0.3117, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 233) }
```

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

```
.background{ background-color: rgb(233,  
255, 233) }
```

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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