

# Converting Colors

$Yxy(94.0245, 0.3217, 0.3680)$

Have a look what the booklet for  
Yxy(94.0245, 0.3217, 0.3680)  
contains.

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# **Color**

**Yxy(94.0222, 0.3215, 0.3677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFD9
RGB	234, 255, 217
RGB Percent	92%, 100%, 85%
CMY	0.0825, 0.0000, 0.1489
CMYK	0.08, 0.00, 0.15, 0.00
HSL	93°, 100%, 93%
HSV	93°, 15%, 100%
XYZ	82.2087, 94.0222, 79.4727
YIQ	244.3890, -0.3180, -16.2700

# Conversions

## Conversions Part 2

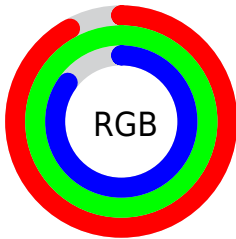
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 255, 238
Decimal	15400921
CIE Lab	97.64, -13.44, 15.86
CIE LCh	98, 20.789, 130.282
Yxy	94.0222, 0.3215, 0.3677
Android (android.graphics.Color)	4293591001 (0xFFEAFD9)
YUV	244.3890, -13.5028, -9.1112
Hunter-Lab	96.9650, -18.3533, 19.2814

# Details

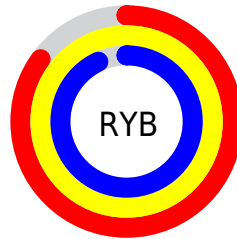
The Yxy color **94.0222, 0.3215, 0.3677** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.0425, 0.3027, 0.2907**, and the grayscale version is **90.8968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4618, 0.3232, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **90.4951, 0.3271, 0.3964**, and if you desaturate by 10%, it is **97.9345, 0.3156, 0.3411**.

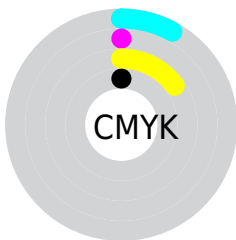
# Distribution



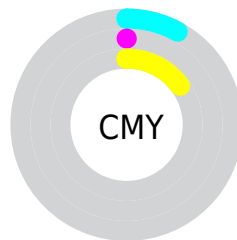
- Red (92%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.0222, 0.3215, 0.3677 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 94.0222, 0.3215, 0.3677 by changing the saturation by 10% instead.



 94.0222, 0.3215,  
0.3677

 94.0222, 0.3215,  
0.3677


541.0299, 0.3178,  
0.3502

 71.3214, 0.3223,  
0.3716

152.9130, 0.3203,  
0.3617

 52.6045, 0.3232,  
0.3764


189.8719, 0.3198,  
0.3594

 37.4872, 0.3242,  
0.3823


232.3522, 0.3194,  
0.3573

 25.5849, 0.3255,  
0.3900

280.7384, 0.3190,  
0.3556

 16.5134, 0.3271,  
0.4001

335.4149, 0.3186,  
0.3540

 9.8881, 0.3291,  
0.4144

396.7661, 0.3183,

 5.3249, 0.3314,

0.3526

0.4355

465.1763, 0.3181,  
0.3513

■ 2.4391, 0.3337,  
0.4700

■ 0.8459, 0.3600,  
0.6400

■ 94.0222, 0.3215,  
0.3677

■ 94.0222, 0.3215,  
0.3677

■ 90.4951, 0.3271,  
0.3964

■ 97.9345, 0.3156,  
0.3411

■ 87.3551, 0.3322,  
0.4267

100.0000, 0.3127,  
0.3290

■ 84.5821, 0.3364,  
0.4577

■ 82.1605, 0.3392,  
0.4881

■ 80.0730, 0.3402,  
0.5164

■ 78.3007, 0.3392,  
0.5408

■ 76.8223, 0.3361,  
0.5598

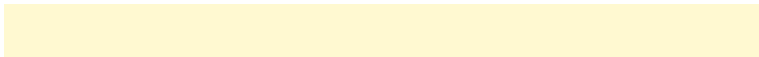
■ 75.6121, 0.3312,  
0.5728

■ 75.0815, 0.3282,  
0.5776

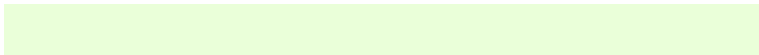
# Harmonies

## Analogous

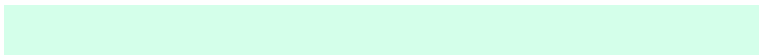
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0222, 0.3427, 0.3688



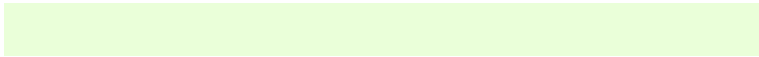
94.0222, 0.3215, 0.3677



94.0222, 0.2986, 0.3550

# Triad

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



94.0222, 0.3215, 0.3677



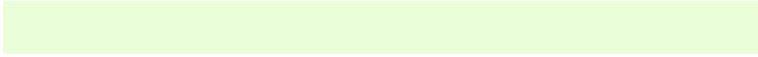
94.0222, 0.2710, 0.2977



94.0222, 0.3463, 0.3223

# Complementary

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



94.0222, 0.3215, 0.3677



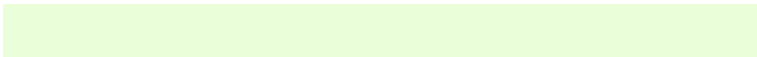
75.0425, 0.3027, 0.2907

# Split Complementary

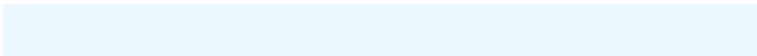
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0222, 0.3260, 0.3050



94.0222, 0.3215, 0.3677



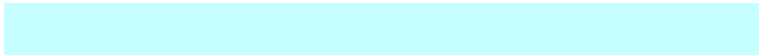
94.0222, 0.2827, 0.2908

# Square

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



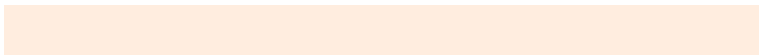
94.0222, 0.3215, 0.3677



94.0222, 0.2700, 0.3135



94.0222, 0.3027, 0.2936

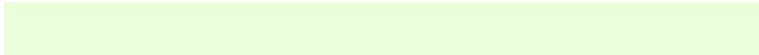


94.0222, 0.3575, 0.3418

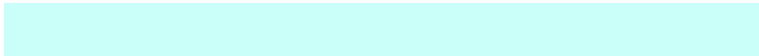


# Rectangle

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



94.0222, 0.3215, 0.3677



94.0222, 0.2853, 0.3419



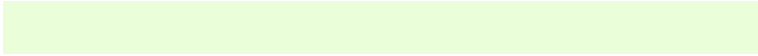
94.0222, 0.3027, 0.2936



94.0222, 0.3403, 0.3161

# Sweetspot

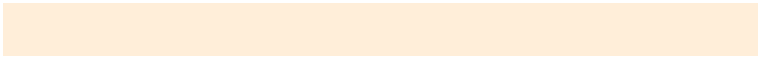
The Sweet Spot groups the original color and five complimentary colors.



94.0170, 0.3215, 0.3677



98.3046, 0.3151, 0.3389



87.3667, 0.3376, 0.3498



20.9745, 0.3155, 0.3408



0.0000, 0.0000, 0.0000

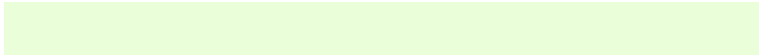


21.4041, 0.3127, 0.3290

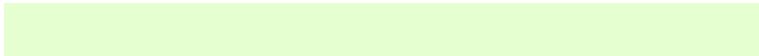


# Same Dimension

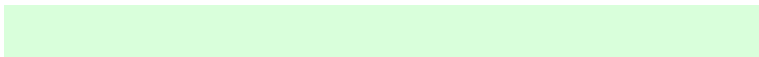
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.0170, 0.3215, 0.3677



92.8815, 0.3233, 0.3764



91.3848, 0.3098, 0.3669



20.5647, 0.3183, 0.3531



39.3171, 0.3294, 0.5766



3.8918, 0.3382, 0.5697



# Inverse Universe

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



75.0425, 0.3027, 0.2907



70.4511, 0.3003, 0.2822



77.9940, 0.3157, 0.2938



17.8738, 0.3066, 0.3051



6.8324, 0.2130, 0.0947

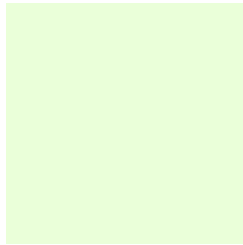


0.7301, 0.2246, 0.1011



# Previews

## White Background



This preview shows how the Yxy color 94.0222, 0.3215, 0.3677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

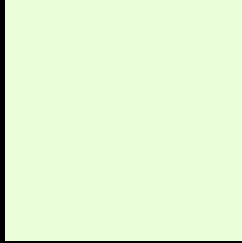
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.0222, 0.3215, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

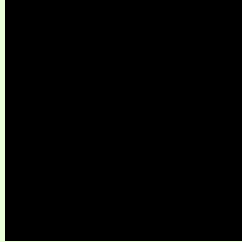
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

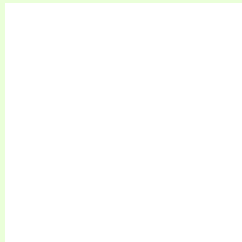
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.0222, 0.3215, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.0222, 0.3215, 0.3677.

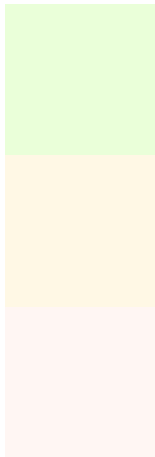


This preview shows how white text looks on a background with the Yxy color 94.0222, 0.3215, 0.3677.

# 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

94.0222, 0.3215, 0.3677

### Protanopia

94.0519, 0.3287, 0.3476

### Deuteranopia

93.6426, 0.3203, 0.3319

## **Tritanopia**

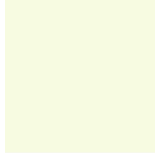
93.9476, 0.3074, 0.3222

# Trichromacy



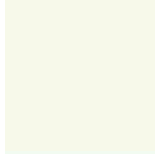
## Original Color

94.0222, 0.3215, 0.3677



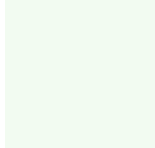
## Protanomaly

94.2048, 0.3256, 0.3548



## Deuteranomaly

93.4660, 0.3203, 0.3438



## Tritanomaly

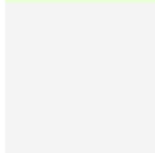
94.2225, 0.3129, 0.3389

# Monochromacy



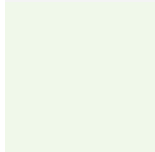
## Original Color

94.0222, 0.3215, 0.3677



## Achromatopsia

90.4661, 0.3127, 0.3290



## Achromatomaly

91.6006, 0.3159, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.0222, 0.3215, 0.3677 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 94.0222, 0.3215, 0.3677 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, 217) }
```

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

```
.border{ border-color:rgb(234, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.0222, 0.3215, 0.3677 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, 217) }
```

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

```
.background{ background-color: rgb(234,  
255, 217) }
```

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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