

# Converting Colors

XYZ(84.5015, 95.1215, 83.1307)

Have a look what the booklet for  
XYZ(84.5015, 95.1215, 83.1307)  
contains.

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# **Color**

**XYZ(84.5414, 95.1446,  
83.0162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFDE
RGB	239, 255, 222
RGB Percent	94%, 100%, 87%
CMY	0.0627, 0.0000, 0.1294
CMYK	0.06, 0.00, 0.13, 0.00
HSL	89°, 100%, 94%
HSV	89°, 13%, 100%
XYZ	84.5414, 95.1446, 83.0162
YIQ	246.4540, 1.0570, -13.6550

# Conversions

## Conversions Part 2

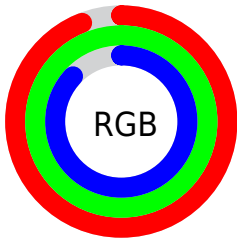
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 255, 238
Decimal	15728606
CIE <sub>Lab</sub>	98.09, -10.92, 14.00
CIE <sub>LCh</sub>	98, 17.753, 127.954
Yxy	95.1446, 0.3218, 0.3622
Android (android.graphics.Color)	4293918686 (0xFFEFFFDE)
YUV	246.4540, -12.0558, -6.5372
Hunter-Lab	97.5421, -15.9897, 17.8189

# Details

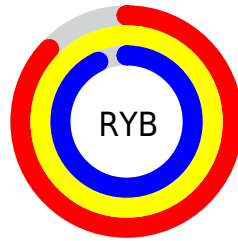
The XYZ color **84.5414, 95.1446, 83.0162** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.4320, 77.6409, 105.4074**, and the grayscale version is **88.0584, 92.6443, 100.8896**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6976, 53.2455, 44.3754** is the 20% darker color. If you saturate the color by 10%, you get **77.3455, 91.8005, 66.1674**, and if you desaturate by 10%, it is **92.5413, 98.8435, 102.6037**.

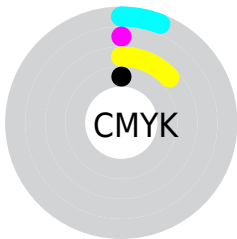
# Distribution



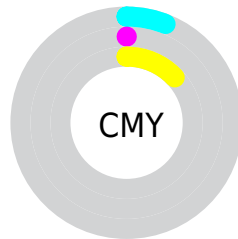
- Red (94%)
- Green (100%)
- Blue (87%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5414, 95.1446, 83.0162 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 XYZ color 84.5414, 95.1446, 83.0162 by changing the saturation by 10% instead.



84.5414, 95.1446,  
83.0162

84.5414, 95.1446,  
83.0162

498.6159,  
544.6278, 525.0129

63.7837, 72.2553,  
61.6628

138.6496,  
154.4644, 139.4476

46.7366, 53.3673,  
44.3263

172.7309,  
191.6636, 175.3627

33.0345, 38.0960,  
30.5880

211.9840,  
234.4017, 216.9688

22.3123, 26.0572,  
20.0295

256.7744,  
283.0630, 264.6844

14.2044, 16.8665,  
12.2322

307.4675,  
338.0318, 318.9281

8.3456, 10.1393,  
6.7776

364.4285,

4.3705, 5.4914,

399.6926, 380.1184

3.2471

428.0229,  
468.4298, 448.6738

■ 1.9138, 2.5384,  
1.2221

■ 0.5849, 0.8958,  
0.0000

■ 84.5414, 95.1446,  
83.0162

■ 84.5414, 95.1446,  
83.0162

■ 77.3455, 91.8005,  
66.1674

■ 92.5413, 98.8435,  
102.6037

■ 70.9226, 88.7978,  
51.9308

95.0500, 100.0000,  
108.9000

■ 65.2426, 86.1240,  
40.1764

■ 60.2726, 83.7651,  
30.7615

■ 55.9764, 81.7059,  
23.5287

■ 52.3140, 79.9298,  
18.3013

■ 49.2399, 78.4177,  
14.8750

■ 46.7002, 77.1473,  
13.0019

■ 45.1768, 76.3745,  
12.3607

# Harmonies

## Analogous

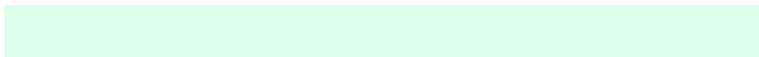
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0836, 95.1446, 78.2263



84.5414, 95.1446, 83.0162



81.6548, 95.1446, 93.4207

# Triad

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



84.5414, 95.1446, 83.0162



86.8055, 95.1446, 131.8295



100.4826, 95.1446, 99.7634

# Complementary

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



84.5414, 95.1446, 83.0162



79.4320, 77.6409, 105.4074

# Split Complementary

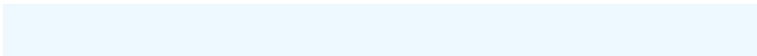
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.8169, 95.1446, 114.4852



84.5414, 95.1446, 83.0162



91.7941, 95.1446, 133.9321

# Square

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



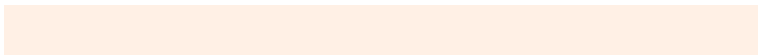
84.5414, 95.1446, 83.0162



82.9273, 95.1446, 121.8222



96.5902, 95.1446, 127.3242



98.3765, 95.1446, 87.2854

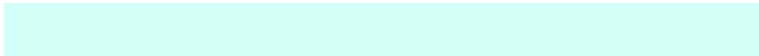


# Rectangle

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



84.5414, 95.1446, 83.0162



80.9934, 95.1446, 102.5980



96.5902, 95.1446, 127.3242



100.5770, 95.1446, 104.6011

# Sweetspot

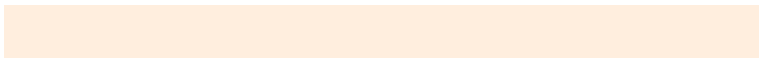
The Sweet Spot groups the original color and five complimentary colors.



84.5421, 95.1450, 83.0176



91.6548, 98.4344, 100.3952



84.9854, 87.6546, 81.5485



19.4844, 21.0074, 21.1573



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

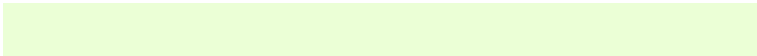


# Same Dimension

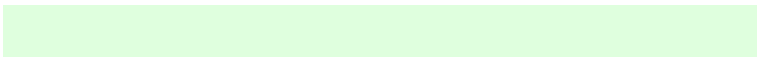
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5421, 95.1450, 83.0176



82.2563, 94.0846, 77.5771



79.2387, 92.4109, 82.7694



18.6641, 20.6283, 19.1423



23.7791, 39.9967, 6.4668



2.4415, 3.9594, 0.6356



# Inverse Universe

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



79.4320, 77.6409, 105.4074



76.0728, 72.9037, 104.6701



85.2098, 80.6195, 105.6778



17.8413, 17.8099, 22.7473



13.9180, 6.0855, 49.8756

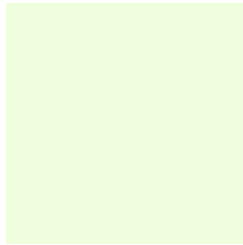


1.4806, 0.6572, 4.8621



# Previews

## White Background



This preview shows how the XYZ color 84.5414, 95.1446, 83.0162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

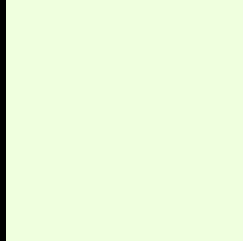
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5414, 95.1446, 83.0162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

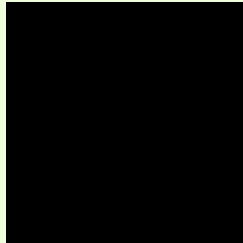
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

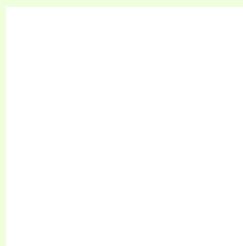
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.5414, 95.1446, 83.0162**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5414, 95.1446, 83.0162.



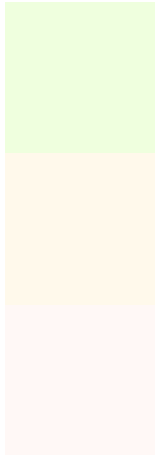
This preview shows how white text looks on a background with the XYZ color 84.5414, 95.1446,



# 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

84.5414, 95.1446, 83.0162

### Protanopia

90.1111, 95.0095, 92.1866

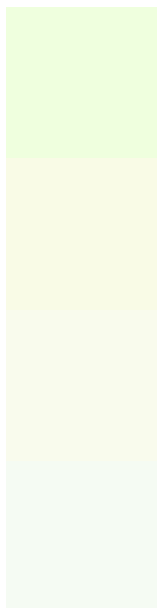
### Deuteranopia

91.4420, 95.0486, 100.7155

## **Tritanopia**

90.6371, 94.9278, 108.1536

# Trichromacy



## Original Color

84.5414, 95.1446, 83.0162

## Protanomaly

87.8470, 94.8473, 88.5402

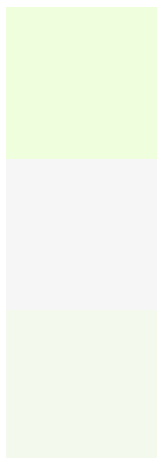
## Deuteranomaly

88.8502, 95.2485, 93.8227

## Tritanomaly

88.3310, 94.8779, 98.4517

# Monochromacy



## Original Color

84.5414, 95.1446, 83.0162

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.1239, 92.9205, 93.5170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5414, 95.1446, 83.0162 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(239, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 222)  
}
```

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(239, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5414, 95.1446, 83.0162 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(239, 255, 222) }
```



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

```
.border{ border-color:rgb(239, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5414, 95.1446, 83.0162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 222) }
```

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

```
.background{ background-color: rgb(239,  
255, 222) }
```

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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