

# Converting Colors

XYZ(102.9425, 132.1622,  
90.9754)

Have a look what the booklet for  
XYZ(102.9425, 132.1622, 90.9754)  
contains.

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# Color

**XYZ(84.2757, 94.9608,  
85.1216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFE1
RGB	237, 255, 225
RGB Percent	93%, 100%, 88%
CMY	0.0706, 0.0000, 0.1176
CMYK	0.07, 0.00, 0.12, 0.00
HSL	96°, 100%, 94%
HSV	96°, 12%, 100%
XYZ	84.2757, 94.9608, 85.1216
YIQ	246.1980, -1.0980, -13.1460

# Conversions

## Conversions Part 2

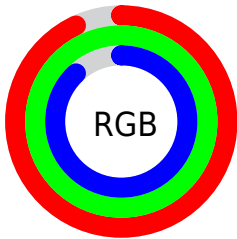
Format	Color
R <sub>Y</sub> B	225, 255, 243
Decimal	15597537
CIE Lab	98.02, -11.11, 12.34
CIE LCh	98, 16.602, 131.987
Yxy	94.9608, 0.3188, 0.3592
Android (android.graphics.Color)	4293787617 (0xFFEDFFE1)
YUV	246.1980, -10.4506, -8.0666
Hunter-Lab	97.4478, -16.1618, 16.4231

# Details

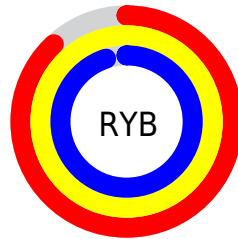
The XYZ color **84.2757, 94.9608, 85.1216** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.9381, 80.1263, 105.7551**, and the grayscale version is **87.8396, 92.4141, 100.6390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5058, 53.1142, 45.8312** is the 20% darker color. If you saturate the color by 10%, you get **76.1601, 91.1494, 67.9184**, and if you desaturate by 10%, it is **93.3482, 99.2054, 105.0843**.

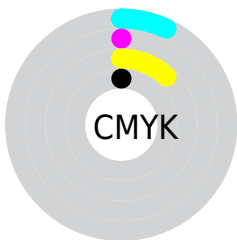
# Distribution



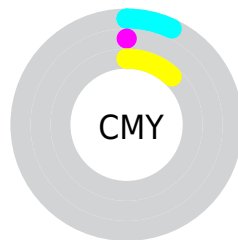
- Red (93%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2757, 94.9608, 85.1216 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 84.2757, 94.9608, 85.1216 by changing the saturation by 10% instead.




 84.2757, 94.9608,  
85.1216

 84.2757, 94.9608,  
85.1216


497.7482,  
544.0395, 532.1854

 63.5636, 72.1024,  
63.3911


138.2800,  
154.2104, 142.4187

 46.5576, 53.2423,  
45.7147


172.3029,  
191.3704, 178.8225

 32.8926, 37.9962,  
31.6737


211.4935,  
234.0664, 220.9544

 22.2030, 25.9798,  
20.8496

256.2170,  
282.6827, 269.2330

 14.1236, 16.8085,  
12.8240

306.8389,  
337.6038, 324.0769

 8.2889, 10.0980,  
7.1781

363.7245,

 4.3337, 5.4640,

399.2140, 385.9046

3.4936

427.2391,  
467.8978, 455.1346

■ 1.8926, 2.5220,  
1.3519

■ 0.5725, 0.8876,  
0.1037

■ 84.2757, 94.9608,  
85.1216

■ 84.2757, 94.9608,  
85.1216

■ 76.1601, 91.1494,  
67.9184

■ 93.3482, 99.2054,  
105.0843

■ 68.9655, 87.7555,  
53.3490

95.0500, 100.0000,  
108.9000

■ 62.6567, 84.7636,  
41.2844

■ 57.1951, 82.1572,  
31.5830

■ 52.5390, 79.9179,  
24.0890

■ 48.6426, 78.0261,  
18.6280

■ 45.4541, 76.4594,  
14.9994

■ 42.9135, 75.1921,  
12.9613

■ 41.2397, 74.3449,  
12.1764

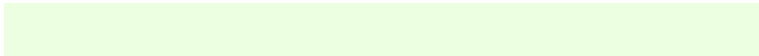
# Harmonies

## Analogous

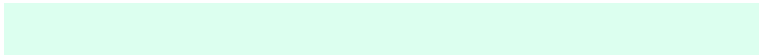
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3709, 94.9608, 79.8301



84.2757, 94.9608, 85.1216



81.8353, 94.9608, 95.5053

# Triad

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



84.2757, 94.9608, 85.1216



87.4584, 94.9608, 130.3624



99.5037, 94.9608, 98.0503

# Complementary

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



84.2757, 94.9608, 85.1216



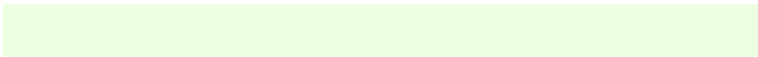
81.9381, 80.1263, 105.7551

# Split Complementary

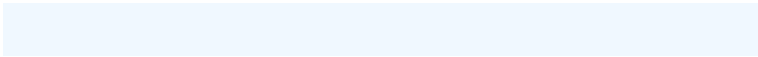
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2384, 94.9608, 111.7101



84.2757, 94.9608, 85.1216



92.1705, 94.9608, 131.1960

# Square

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



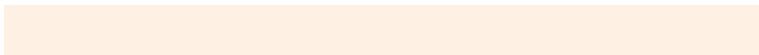
84.2757, 94.9608, 85.1216



83.6279, 94.9608, 121.9290



96.5156, 94.9608, 124.1152



97.2283, 94.9608, 86.8434



# Rectangle

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



84.2757, 94.9608, 85.1216



81.4212, 94.9608, 104.3072



96.5156, 94.9608, 124.1152



99.7108, 94.9608, 102.4904

# Sweetspot

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



84.2764, 94.9611, 85.1230



91.2351, 98.2181, 100.3756



86.7323, 90.4991, 84.1323



19.3783, 20.9527, 21.1523



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

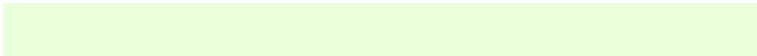


# Same Dimension

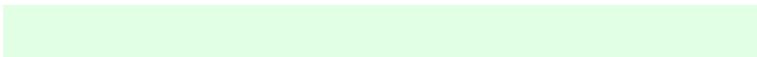
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2764, 94.9611, 85.1230



82.3798, 94.0718, 81.0409



80.7464, 93.1017, 86.7513



18.4592, 20.5226, 19.1327



21.7059, 38.9279, 6.3698



2.2327, 3.8517, 0.6258



# Inverse Universe

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



81.9381, 80.1263, 105.7551



79.6399, 76.6912, 105.2131



85.8158, 82.1715, 103.8493



18.0485, 17.9167, 22.7570



16.4687, 7.4004, 49.9950



1.7269, 0.7842, 4.8736



# Previews

## White Background



This preview shows how the XYZ color 84.2757, 94.9608, 85.1216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

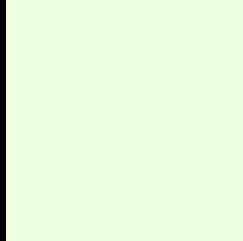
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2757, 94.9608, 85.1216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

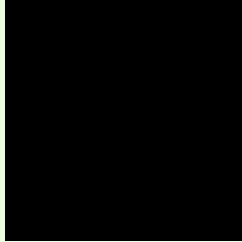
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

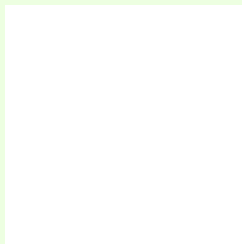
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.2757, 94.9608, 85.1216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.2757, 94.9608, 85.1216.



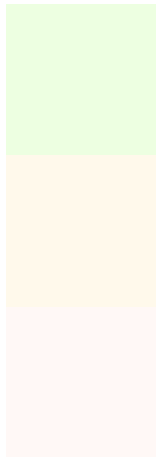
This preview shows how white text looks on a background with the XYZ color 84.2757, 94.9608,

85.1216.

# 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

84.2757, 94.9608, 85.1216

### Protanopia

90.1111, 95.0095, 92.1866

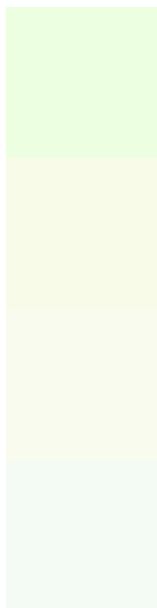
### Deuteranopia

91.4420, 95.0486, 100.7155

## **Tritanopia**

90.6371, 94.9278, 108.1536

# Trichromacy



## Original Color

84.2757, 94.9608, 85.1216

## Protanomaly

87.6324, 94.7203, 89.2654

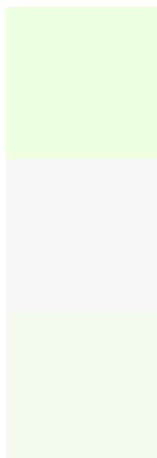
## Deuteranomaly

88.6412, 95.1239, 94.5778

## Tritanomaly

88.1345, 94.7591, 99.2331

# Monochromacy



## Original Color

84.2757, 94.9608, 85.1216

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.2704, 92.9791, 94.2887

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2757, 94.9608, 85.1216 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(237, 255, 225) looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 225)  
}
```

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(237, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2757, 94.9608, 85.1216 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".

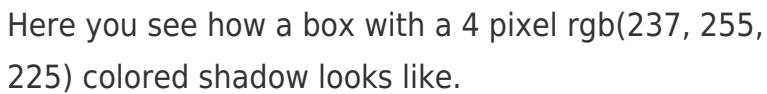
```
.border, #border, table{ border:4px solid rgb(237, 255, 225) }
```



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

```
.border{ border-color:rgb(237, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 255, 225); box-shadow:4px 4px 4px 4px rgb(237, 255, 225) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2757, 94.9608, 85.1216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 225) }
```

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

```
.background{ background-color: rgb(237,  
255, 225) }
```

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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