

# Converting Colors

XYZ(84.6248, 95.1999, 82.4669)

Have a look what the booklet for  
XYZ(84.6248, 95.1999, 82.4669)  
contains.

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# Color

**XYZ(84.7463, 95.2657,  
82.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFDD
RGB	240, 255, 221
RGB Percent	94%, 100%, 87%
CMY	0.0588, 0.0000, 0.1333
CMYK	0.06, 0.00, 0.13, 0.00
HSL	86°, 100%, 93%
HSV	86°, 13%, 100%
XYZ	84.7463, 95.2657, 82.3281
YIQ	246.6390, 1.9740, -13.7540

# Conversions

## Conversions Part 2

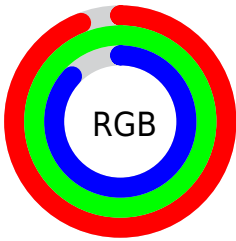
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 255, 236
Decimal	15794141
CIE <sub>Lab</sub>	98.14, -10.74, 14.59
CIE <sub>LCh</sub>	98, 18.115, 126.359
Yxy	95.2657, 0.3230, 0.3631
Android (android.graphics.Color)	4293984221 (0xFFFF0FFDD)
YUV	246.6390, -12.6400, -5.8224
Hunter-Lab	97.6041, -15.8219, 18.3124

# Details

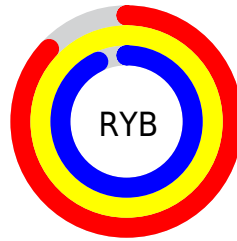
The XYZ color **84.7463, 95.2657, 82.3281** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **78.4993, 76.7670, 105.2879**, and the grayscale version is **88.2125, 92.8064, 101.0662**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8442, 53.3317, 43.9015** is the 20% darker color. If you saturate the color by 10%, you get **77.9010, 92.1000, 65.5991**, and if you desaturate by 10%, it is **92.3459, 98.7606, 101.7888**.

# Distribution



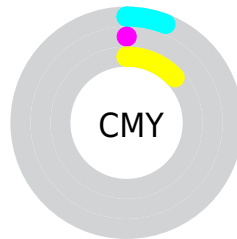
- Red (94%)
- Green (100%)
- Blue (87%)



- 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 84.7463, 95.2657, 82.3281 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 84.7463, 95.2657, 82.3281 by changing the saturation by 10% instead.



84.7463, 95.2657,  
82.3281

84.7463, 95.2657,  
82.3281

499.2845,  
545.0152, 522.6567

63.9536, 72.3561,  
61.0986

138.9345,  
154.6316, 138.4748

46.8746, 53.4497,  
43.8737

173.0607,  
191.8568, 174.2291

33.1441, 38.1618,  
30.2348

212.3621,  
234.6226, 215.6622

22.3966, 26.1083,  
19.7633

257.2041,  
283.3134, 263.1924

14.2668, 16.9047,  
12.0407

307.9519,  
338.3137, 317.2385

8.3894, 10.1666,  
6.6485

364.9711,

4.3990, 5.5095,

400.0079, 378.2189

3.1682

428.6268,  
468.7802, 446.5521

■ 1.9303, 2.5492,  
1.1811

■ 0.5943, 0.9012,  
0.0000

■ 84.7463, 95.2657,  
82.3281

■ 84.7463, 95.2657,  
82.3281

■ 77.9010, 92.1000,  
65.5991

■ 92.3459, 98.7606,  
101.7888

■ 71.7805, 89.2510,  
51.4751

95.0500, 100.0000,  
108.9000

■ 66.3560, 86.7069,  
39.8259

■ 61.5961, 84.4543,  
30.5082

■ 57.4659, 82.4790,  
23.3641

■ 53.9272, 80.7650,  
18.2161

■ 50.9358, 79.2941,  
14.8586

■ 48.4394, 78.0448,  
13.0415

■ 47.0016, 77.3153,  
12.4461

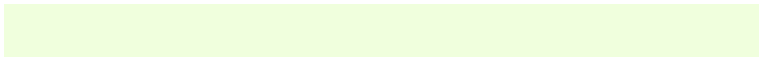
# Harmonies

## Analogous

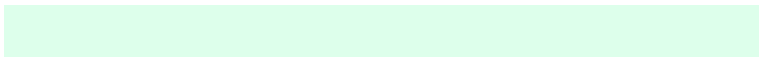
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4440, 95.2657, 77.7851



84.7463, 95.2657, 82.3281



81.6905, 95.2657, 92.6603

# Triad

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



84.7463, 95.2657, 82.3281



86.5953, 95.2657, 132.2431



100.8555, 95.2657, 100.5881

# Complementary

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



84.7463, 95.2657, 82.3281



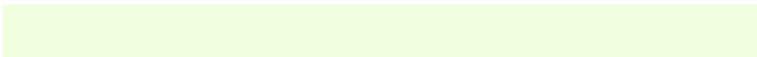
78.4993, 76.7670, 105.2879

# Split Complementary

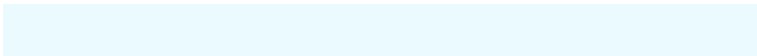
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.0220, 95.2657, 115.6440



84.7463, 95.2657, 82.3281



91.6594, 95.2657, 134.8798

# Square

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



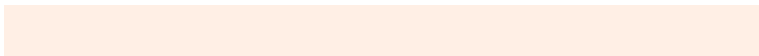
84.7463, 95.2657, 82.3281



82.7291, 95.2657, 121.6530



96.6069, 95.2657, 128.5482

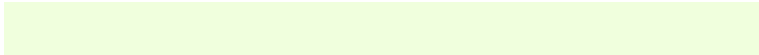


98.8430, 95.2657, 87.6567

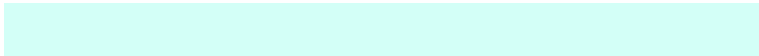


# Rectangle

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



84.7463, 95.2657, 82.3281



80.9280, 95.2657, 101.9195



96.6069, 95.2657, 128.5482



100.9000, 95.2657, 105.5581

# Sweetspot

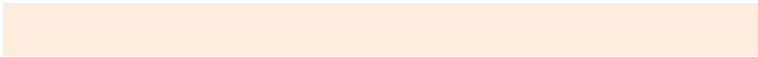
The Sweet Spot groups the original color and five complimentary colors.



84.7470, 95.2660, 82.3295



91.8147, 98.5169, 100.4027



84.2105, 86.3187, 80.6308



19.5249, 21.0283, 21.1592



0.0000, 0.0000, 0.0000

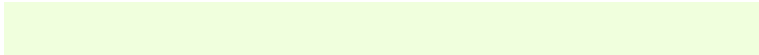


20.3446, 21.4041, 23.3091

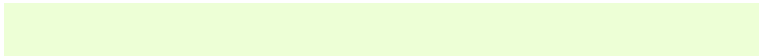


# Same Dimension

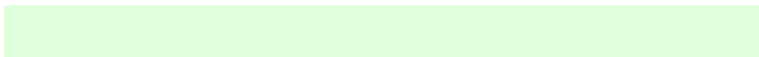
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7470, 95.2660, 82.3295



82.8483, 94.3898, 77.6048



79.3256, 92.4712, 82.0758



18.7426, 20.6687, 19.1460



24.7339, 40.4889, 6.5115



2.5339, 4.0070, 0.6399



# Inverse Universe

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



78.4993, 76.7670, 105.2879



75.4908, 72.6037, 104.6429



84.3180, 79.7666, 105.5602



17.7635, 17.7698, 22.7436



13.1212, 5.6747, 49.8383



1.4006, 0.6160, 4.8583



# Previews

## White Background



This preview shows how the XYZ color 84.7463, 95.2657, 82.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

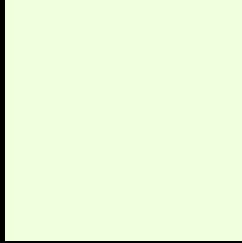
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7463, 95.2657, 82.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

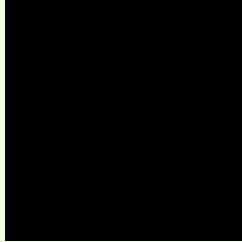
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

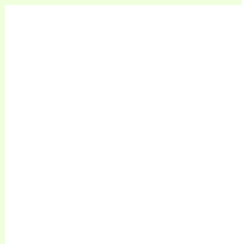
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.7463, 95.2657, 82.3281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7463, 95.2657, 82.3281.



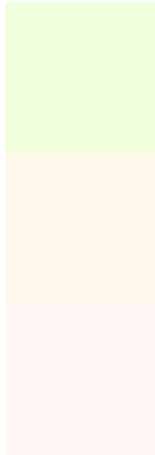
This preview shows how white text looks on a background with the XYZ color 84.7463, 95.2657,

82.3281.

# 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

84.7463, 95.2657, 82.3281

### Protanopia

90.1111, 95.0095, 92.1866

### Deuteranopia

91.4420, 95.0486, 100.7155

## Tritanopia

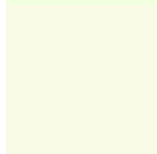
90.9926, 95.1111, 108.1702

# Trichromacy



## Original Color

84.7463, 95.2657, 82.3281



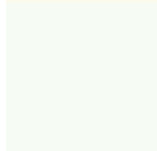
## Protanomaly

88.2044, 95.0315, 88.5570



## Deuteranomaly

89.2076, 95.4328, 93.8394



## Tritanomaly

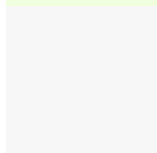
88.6809, 95.0583, 98.4681

# Monochromacy



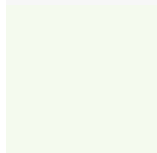
## Original Color

84.7463, 95.2657, 82.3281



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

86.9265, 93.7774, 94.4082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7463, 95.2657, 82.3281 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(240, 255, 221) looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 221)  
}
```

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(240, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7463, 95.2657, 82.3281 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(240, 255, 221) }
```



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

```
.border{ border-color:rgb(240, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7463, 95.2657, 82.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 221) }
```

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

```
.background{ background-color: rgb(240,  
255, 221) }
```

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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