

# Converting Colors

XYZ(83.7947, 94.6651, 87.2561)

Have a look what the booklet for  
XYZ(83.7947, 94.6651, 87.2561)  
contains.

<b>XYZ(83.6953, 94.6139, 87.2499)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(83.6953, 94.6139,  
87.2499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF FE4
RGB	234, 255, 228
RGB Percent	92%, 100%, 89%
CMY	0.0823, 0.0000, 0.1059
CMYK	0.08, 0.00, 0.11, 0.00
HSL	107°, 100%, 95%
HSV	107°, 11%, 100%
XYZ	83.6953, 94.6139, 87.2499
YIQ	245.6430, -3.8490, -12.8490

# Conversions

## Conversions Part 2

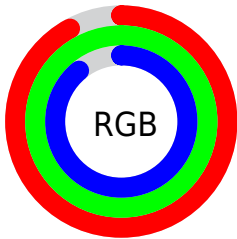
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 255, 249
Decimal	15400932
CIE Lab	97.88, -11.61, 10.58
CIE LCh	98, 15.707, 137.670
Yxy	94.6139, 0.3152, 0.3563
Android (android.graphics.Color)	4293591012 (0xFFEAF <sub>FE</sub> 4)
YUV	245.6430, -8.6980, -10.2109
Hunter-Lab	97.2697, -16.6323, 14.9063

# Details

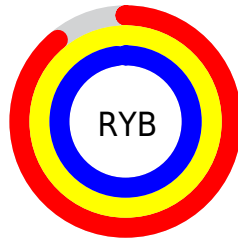
The XYZ color **83.6953, 94.6139, 87.2499** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **84.8611, 82.8477, 106.1263**, and the grayscale version is **87.3787, 91.9292, 100.1109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0970, 52.8703, 47.3106** is the 20% darker color. If you saturate the color by 10%, you get **74.2608, 90.1295, 69.6720**, and if you desaturate by 10%, it is **94.3824, 99.6836, 107.6147**.

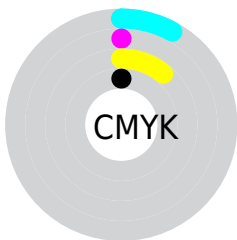
# Distribution



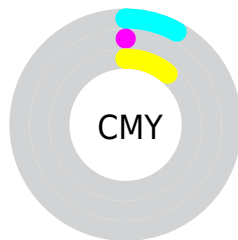
- Red (92%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6953, 94.6139, 87.2499 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 83.6953, 94.6139, 87.2499 by changing the saturation by 10% instead.



83.6953, 94.6139,  
87.2499

83.6953, 94.6139,  
87.2499

495.8498,  
542.9282, 539.3812

63.0828, 71.8137,  
65.1412

137.4723,  
153.7311, 145.4143

46.1671, 53.0065,  
47.1235

171.3675,  
190.8168, 182.3072

32.5829, 37.8079,  
32.7783

210.4210,  
233.4332, 224.9652

21.9648, 25.8337,  
21.6869

254.9981,  
281.9646, 273.8069

13.9475, 16.6992,  
13.4309

305.4642,  
336.7954, 329.2508

8.1656, 10.0203,  
7.5917

362.1846,

4.2538, 5.4124,

398.3100, 391.7154

3.7508

425.5247,  
466.8928, 461.6194

■ 1.8467, 2.4912,  
1.4897

■ 0.5456, 0.8722,  
0.2102

■ 83.6953, 94.6139,  
87.2499

■ 83.6953, 94.6139,  
87.2499

■ 74.2608, 90.1295,  
69.6720

94.3824, 99.6836,  
107.6147

■ 66.0301, 86.2081,  
54.7557

95.0500, 100.0000,  
108.9000

■ 58.9542, 82.8270,  
42.3724

■ 52.9799, 79.9621,  
32.3812

■ 48.0496, 77.5870,  
24.6277

■ 44.1004, 75.6729,  
18.9390

■ 41.0617, 74.1879,  
15.1171

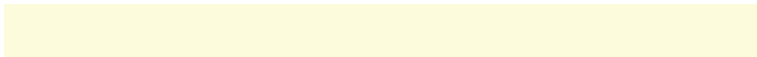
■ 38.8527, 73.0953,  
12.9253

■ 37.4283, 72.3801,  
11.9981

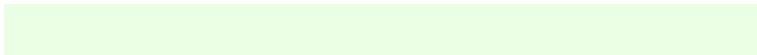
# Harmonies

## Analogous

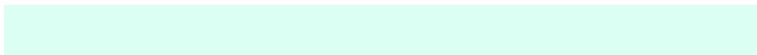
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3327, 94.6139, 81.2107



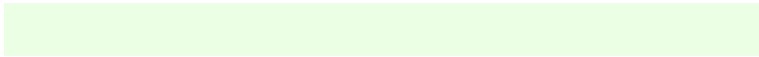
83.6953, 94.6139, 87.2499



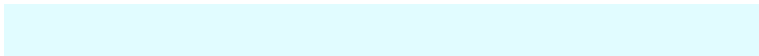
81.7547, 94.6139, 97.8284

# Triad

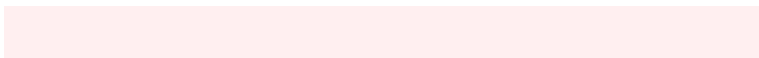
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6953, 94.6139, 87.2499



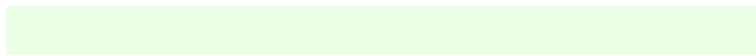
88.0967, 94.6139, 129.1093



98.4067, 94.6139, 95.6946

# Complementary

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



83.6953, 94.6139, 87.2499



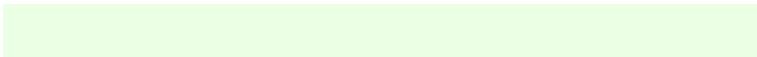
84.8611, 82.8477, 106.1263

# 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.



98.6279, 94.6139, 108.3889



83.6953, 94.6139, 87.2499



92.5736, 94.6139, 128.4176

# Square

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



83.6953, 94.6139, 87.2499



84.2386, 94.6139, 122.3988



96.4620, 94.6139, 120.5809



95.8673, 94.6139, 85.8001



# Rectangle

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



83.6953, 94.6139, 87.2499



81.6404, 94.6139, 106.3536



96.4620, 94.6139, 120.5809



98.7576, 94.6139, 99.7538

# Sweetspot

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



83.6960, 94.6142, 87.2513



91.6873, 98.4060, 102.4409



89.0270, 94.4279, 86.9344



19.4367, 20.9737, 21.5665



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

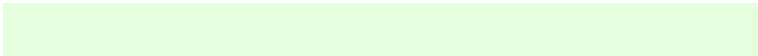


# Same Dimension

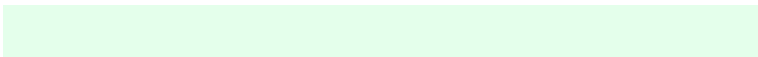
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6960, 94.6142, 87.2513



81.3070, 93.4795, 82.7599



82.7801, 94.0241, 92.5354



18.1490, 20.3627, 19.1182



19.6608, 37.8736, 6.2741



2.0030, 3.7334, 0.6150



# Inverse Universe

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



84.8611, 82.8477, 106.1263



82.7130, 79.2724, 105.5494



85.8963, 83.5128, 100.2371



18.3746, 18.0848, 22.7722



21.7805, 10.1388, 50.2436

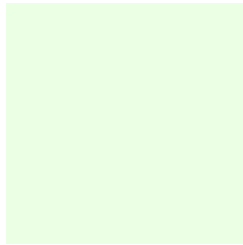


2.2133, 1.0349, 4.8964



# Previews

## White Background



This preview shows how the XYZ color 83.6953, 94.6139, 87.2499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

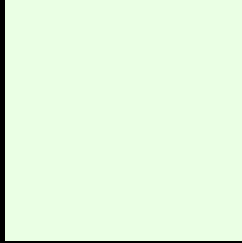
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6953, 94.6139, 87.2499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

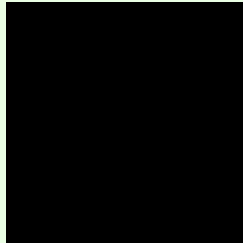
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

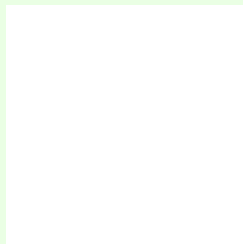
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.6953, 94.6139, 87.2499**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.6953, 94.6139, 87.2499.



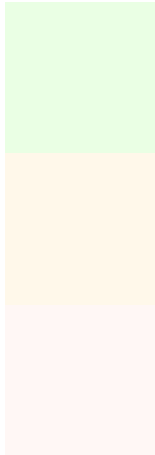
This preview shows how white text looks on a background with the XYZ color 83.6953, 94.6139,

87.2499.

# 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

83.6953, 94.6139, 87.2499

### Protanopia

89.6587, 94.3353, 91.3249

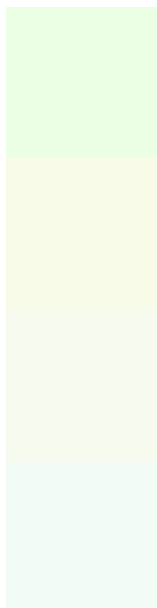
### Deuteranopia

90.9822, 94.3741, 99.8069

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

83.6953, 94.6139, 87.2499

## Protanomaly

87.4204, 94.5947, 89.9950

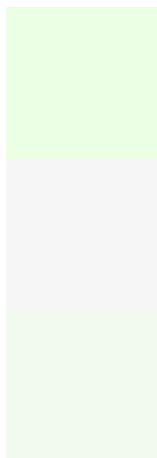
## Deuteranomaly

88.1234, 94.3774, 95.2334

## Tritanomaly

87.5966, 94.4642, 100.0028

# Monochromacy



## Original Color

83.6953, 94.6139, 87.2499

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.0736, 92.8606, 95.0487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6953, 94.6139, 87.2499 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6953, 94.6139, 87.2499 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, 228) }
```



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

```
.border{ border-color:rgb(234, 255, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6953, 94.6139, 87.2499 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, 228) }
```

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

```
.background{ background-color: rgb(234,  
255, 228) }
```

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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