

# Converting Colors

XYZ(75.7946, 87.1164, 93.3488)

Have a look what the booklet for  
XYZ(75.7946, 87.1164, 93.3488)  
contains.

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# Color

**XYZ(75.8640, 87.1567,  
93.7134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F8EE
RGB	211, 248, 238
RGB Percent	83%, 97%, 93%
CMY	0.1725, 0.0274, 0.0667
CMYK	0.15, 0.00, 0.04, 0.03
HSL	164°, 73%, 90%
HSV	164°, 15%, 97%
XYZ	75.8640, 87.1567, 93.7134
YIQ	235.7970, -18.8420, -10.9540

# Conversions

## Conversions Part 2

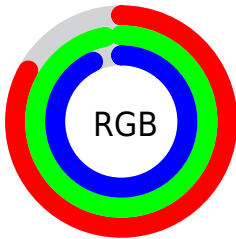
Format	Color
R <sub>Y</sub> B	211, 232, 248
Decimal	13891822
CIE Lab	94.80, -13.80, 0.80
CIE LCh	95, 13.824, 176.687
Yxy	87.1567, 0.2955, 0.3395
Android (android.graphics.Color)	4292081902 (0xFFD3F8EE)
YUV	235.7970, 1.0861, -21.7470
Hunter-Lab	93.3578, -18.3241, 5.8346

# Details

The XYZ color **75.8640, 87.1567, 93.7134** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.0599, 71.7678, 78.3070**, and the grayscale version is **79.5779, 83.7221, 91.1734**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0034, 48.1446, 51.3877** is the 20% darker color. If you saturate the color by 10%, you get **68.3336, 83.3887, 88.3157**, and if you desaturate by 10%, it is **84.5322, 91.5117, 99.3596**.

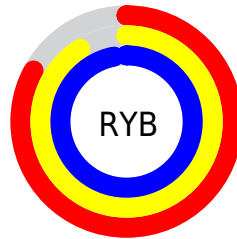
# Distribution



Red (83%)

Green (97%)

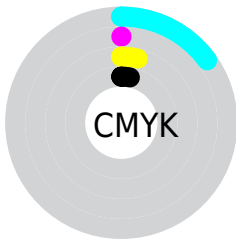
Blue (93%)



Red (83%)

Yellow (91%)

Blue (97%)

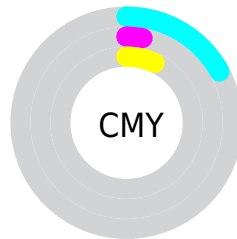


Cyan (15%)

Magenta (0%)

Yellow (4%)

Black (3%)



Cyan (17%)

Magenta (3%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8640, 87.1567, 93.7134 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 75.8640, 87.1567, 93.7134 by changing the saturation by 10% instead.



75.8640, 87.1567,  
93.7134

75.8640, 87.1567,  
93.7134

469.8336,  
518.7376, 560.9166

56.6177, 65.6249,  
70.4736

126.5160,  
143.3825, 154.4662

40.9373, 47.9680,  
51.4336

158.6524,  
178.8453, 192.8162

28.4575, 33.8015,  
36.1747

195.8162,  
219.7206, 237.0402

18.8131, 22.7412,  
24.2784

238.3728,  
266.3927, 287.5565

11.6385, 14.4025,  
15.3261

286.6874,  
319.2461, 344.7838

6.5685, 8.4011,  
8.8994

341.1255,

3.2376, 4.3527,

378.6651, 409.1405

4.5797

402.0525,  
445.0342, 481.0453

■ 1.2806, 1.8727,  
1.9485

■ 0.1687, 0.5319,  
0.5233

■ 75.8640, 87.1567,  
93.7134

■ 75.8640, 87.1567,  
93.7134

■ 68.3336, 83.3887,  
88.3157

■ 84.5322, 91.5117,  
99.3596

■ 61.8830, 80.1708,  
83.1561

■ 92.2864, 95.3890,  
105.1547

■ 56.4604, 77.4788,  
78.2320

■ 92.8590, 95.6180,  
108.1697

■ 52.0066, 75.2820,  
73.5386

■ 48.4561, 73.5469,  
69.0705

■ 45.7351, 72.2354,  
64.8221

■ 43.7580, 71.3034,  
60.7872

■ 42.4192, 70.6966,  
56.9585

■ 41.9053, 70.4725,  
55.0882

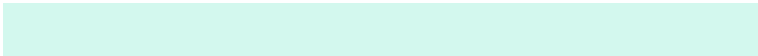
# Harmonies

## Analogous

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



76.9727, 87.1567, 84.0282



75.8640, 87.1567, 93.7134



76.5776, 87.1567, 104.4553

# Triad

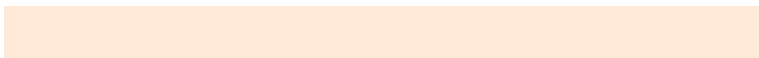
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8640, 87.1567, 93.7134



86.1127, 87.1567, 114.5211



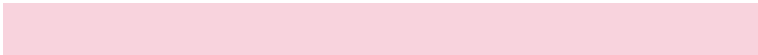
86.8536, 87.1567, 78.7027

# Complementary

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



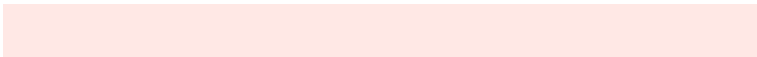
75.8640, 87.1567, 93.7134



75.0599, 71.7678, 78.3070

# 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.



89.4345, 87.1567, 85.9438



75.8640, 87.1567, 93.7134



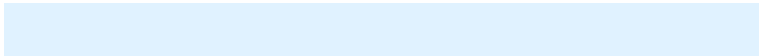
88.9978, 87.1567, 106.6688

# Square

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



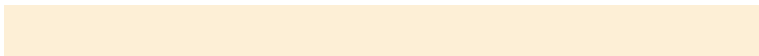
75.8640, 87.1567, 93.7134



82.4249, 87.1567, 116.9872



90.2307, 87.1567, 96.0942

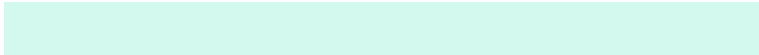


83.2562, 87.1567, 75.7820

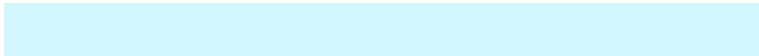


# Rectangle

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



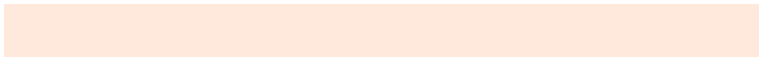
75.8640, 87.1567, 93.7134



78.0027, 87.1567, 110.6919



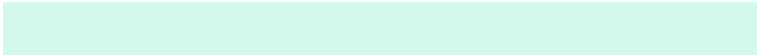
90.2307, 87.1567, 96.0942



87.8729, 87.1567, 80.6843

# Sweetspot

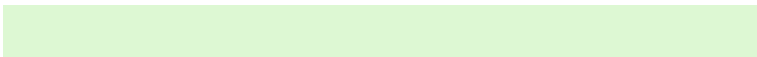
The Sweet Spot groups the original color and five complimentary colors.



75.8665, 87.1603, 93.7153



90.9556, 97.9402, 106.4076



75.2942, 87.2899, 74.5097



19.3083, 20.8828, 22.6763



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

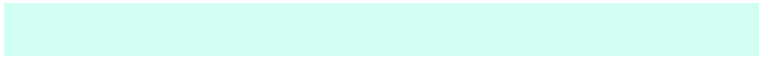


# Same Dimension

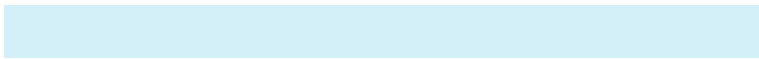
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8665, 87.1603, 93.7153



78.1988, 91.5363, 98.0176



74.9652, 82.9399, 100.8690



17.5538, 19.5238, 21.1169



22.6979, 38.0922, 30.0823



2.1465, 3.5457, 3.0192



# Inverse Universe

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



75.0599, 71.7678, 78.3070



77.1840, 72.1576, 78.6222



75.8080, 75.3339, 72.1748



17.4373, 17.3023, 18.8927



21.5097, 11.0196, 4.1268



2.0345, 1.0375, 0.6049



# Previews

## White Background



This preview shows how the XYZ color 75.8640, 87.1567, 93.7134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

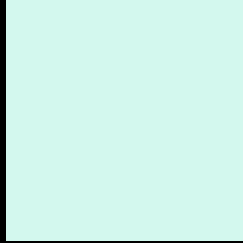
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8640, 87.1567, 93.7134 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

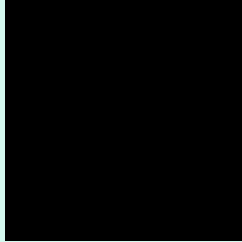
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

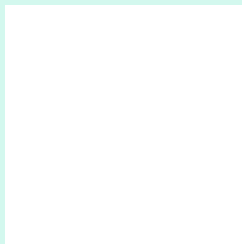
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.8640, 87.1567, 93.7134

## Background



This preview shows how black text looks on a background with the XYZ color 75.8640, 87.1567, 93.7134.



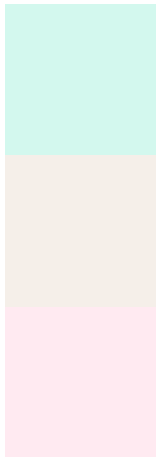
This preview shows how white text looks on a background with the XYZ color 75.8640, 87.1567,

93.7134.

# 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

75.8640, 87.1567, 93.7134

### Protanopia

83.2307, 87.0287, 89.5023

### Deuteranopia

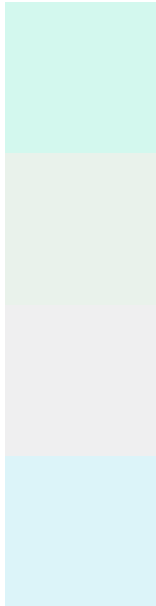
86.5400, 86.4565, 95.3457



## Tritanopia

80.8535, 86.7318, 107.0872

# Trichromacy



## Original Color

75.8640, 87.1567, 93.7134

## Protanomaly

80.3518, 86.8261, 91.1214

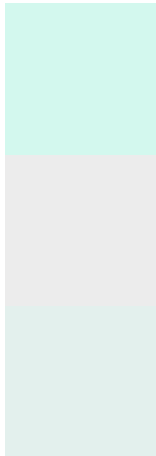
## Deuteranomaly

82.1913, 86.3750, 94.7782

## Tritanomaly

78.9648, 86.7566, 102.2063

# Monochromacy



## Original Color

75.8640, 87.1567, 93.7134

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.1247, 84.7655, 92.3645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8640, 87.1567, 93.7134 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(211, 248, 238)` looks like.

```
.text, #text, p{  
    color:rgb(211, 248, 238)  
}
```

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(211, 248, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 248, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8640, 87.1567, 93.7134 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(211, 248, 238) }
```



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

```
.border{ border-color:rgb(211, 248, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 248, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 248, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 248, 238);  
box-shadow:4px 4px 4px 4px rgb(211, 248,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8640, 87.1567, 93.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 248, 238) }
```

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

```
.background{ background-color: rgb(211,  
248, 238) }
```

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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