

# Converting Colors

XYZ(71.8825, 78.0712, 87.2231)

Have a look what the booklet for  
XYZ(71.8825, 78.0712, 87.2231)  
contains.

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# Color

**XYZ(71.8957, 78.2345,  
86.9128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E8E7
RGB	217, 232, 231
RGB Percent	85%, 91%, 91%
CMY	0.1490, 0.0902, 0.0941
CMYK	0.06, 0.00, 0.00, 0.09
HSL	176°, 25%, 88%
HSV	176°, 6%, 91%
XYZ	71.8957, 78.2345, 86.9128
YIQ	227.4010, -8.6190, -3.4910

# Conversions

## Conversions Part 2

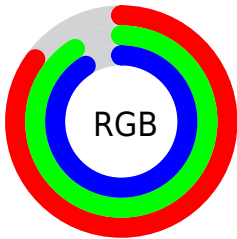
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 225, 232
Decimal	14280935
CIE <sub>Lab</sub>	90.89, -5.15, -1.24
CIE <sub>LCh</sub>	91, 5.293, 193.531
Yxy	78.2345, 0.3033, 0.3300
Android (android.graphics.Color)	4292471015 (0xFFD9E8E7)
YUV	227.4010, 1.7743, -9.1217
Hunter-Lab	88.4503, -9.6965, 3.6558

# Details

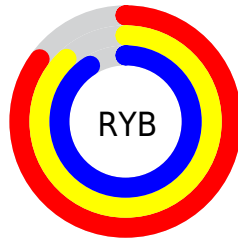
The XYZ color **71.8957, 78.2345, 86.9128** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7493, 71.8455, 76.4720**, and the grayscale version is **73.2994, 77.1167, 83.9801**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1635, 41.8272, 46.6195** is the 20% darker color. If you saturate the color by 10%, you get **65.2610, 74.8416, 85.4646**, and if you desaturate by 10%, it is **79.5063, 82.1346, 88.4200**.

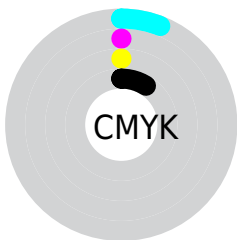
# Distribution



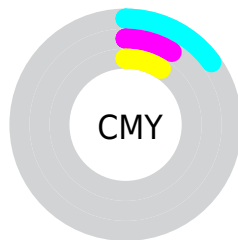
- Red (85%)
- Green (91%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8957, 78.2345, 86.9128 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 71.8957, 78.2345, 86.9128 by changing the saturation by 10% instead.



■ 71.8957, 78.2345,  
86.9128

■ 71.8957, 78.2345,  
86.9128

456.3418,  
488.9628, 538.2451

■ 53.3586, 58.2666,  
64.8638

120.9198,  
130.8806, 144.9404

■ 38.3178, 42.0230,  
46.9000

152.1376,  
164.3277, 181.7561

■ 26.4077, 29.1193,  
32.6029

188.3130,  
203.0366, 224.3311

■ 17.2632, 19.1711,  
21.5538

229.8114,  
247.3918, 273.0840

■ 10.5188, 11.7940,  
13.3342

276.9981,  
297.7776, 328.4333

■ 5.8092, 6.6036,  
7.5257

330.2385,

■ 2.7689, 3.2154,

354.5785, 390.7976

3.7096

389.8979,  
418.1787, 460.5953

■ 1.0328, 1.2452,  
1.4674

■ 0.0000, 0.0982,  
0.1935

■ 71.8957, 78.2345,  
86.9128

■ 71.8957, 78.2345,  
86.9128

■ 65.2610, 74.8416,  
85.4646

■ 79.5063, 82.1346,  
88.4200

■ 59.5552, 71.9251,  
84.0684

■ 84.9646, 84.9228,  
89.8351

■ 54.7376, 69.4663,  
82.7239

■ 85.1887, 85.0125,  
91.0154

■ 50.7617, 67.4412,  
81.4288

■ 85.4148, 85.1029,  
92.2060

■ 47.5768, 65.8236,  
80.1808

■ 85.6429, 85.1941,  
93.4070

■ 45.1268, 64.5847,  
78.9772

■ 85.8729, 85.2861,  
94.6183

■ 43.3483, 63.6918,  
77.8150

■ 86.1049, 85.3789,  
95.8401

■ 42.1669, 63.1064,  
76.6907

■ 86.3389, 85.4725,  
97.0722

■ 41.4895, 62.7806,  
75.5999

■ 86.5749, 85.5669,  
98.3148

# Harmonies

## Analogous

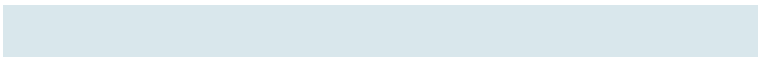
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9290, 78.2345, 83.1202



71.8957, 78.2345, 86.9128



72.5170, 78.2345, 90.3397

# Triad

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



71.8957, 78.2345, 86.9128



76.1386, 78.2345, 90.6167



75.0884, 78.2345, 78.3379

# Complementary

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



71.8957, 78.2345, 86.9128



70.7493, 71.8455, 76.4720

# 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.



76.2330, 78.2345, 80.2285



71.8957, 78.2345, 86.9128



76.8443, 78.2345, 87.2818

# Square

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



71.8957, 78.2345, 86.9128



74.9607, 78.2345, 92.5208



76.8790, 78.2345, 83.4784



73.7616, 78.2345, 78.2458

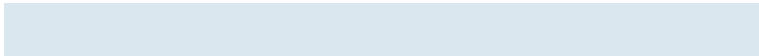


# Rectangle

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



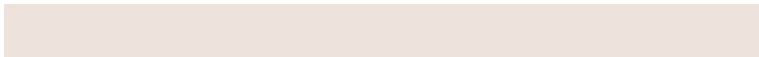
71.8957, 78.2345, 86.9128



73.2231, 78.2345, 91.9244



76.8790, 78.2345, 83.4784



75.5076, 78.2345, 78.7815

# Sweetspot

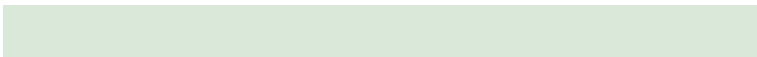
The Sweet Spot groups the original color and five complimentary colors.



71.8979, 78.2378, 86.9145



93.1436, 99.0236, 108.5243



70.3716, 77.6704, 76.9297



19.9565, 21.2053, 23.2326



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

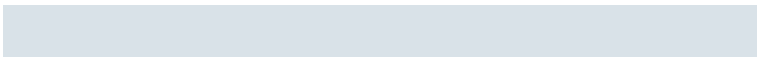
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8979, 78.2378, 86.9145



87.7201, 96.2466, 107.4142



70.3115, 74.8374, 87.0871



14.7636, 16.3189, 18.2861



22.9544, 34.8139, 41.8560



1.7089, 2.5777, 3.1595

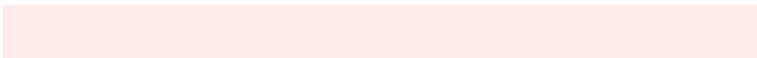


# Inverse Universe

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



70.7493, 71.8455, 76.4720



85.9691, 86.5019, 91.4954



72.2604, 75.0773, 76.3296



14.4159, 14.3835, 15.1246



18.5410, 9.5506, 1.2122

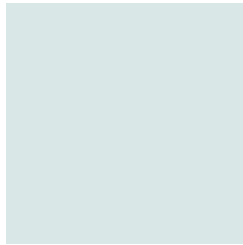


1.3839, 0.7113, 0.1623



# Previews

## White Background



This preview shows how the XYZ color 71.8957, 78.2345, 86.9128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

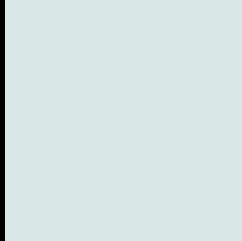
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8957, 78.2345, 86.9128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

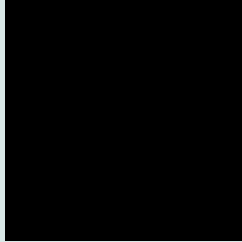
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

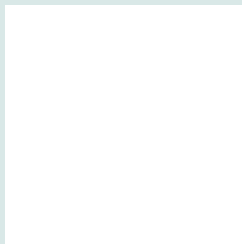
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8957, 78.2345, 86.9128**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8957, 78.2345, 86.9128.



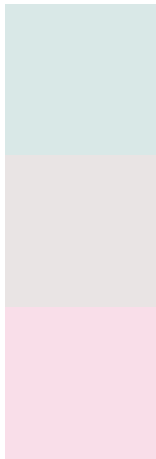
This preview shows how white text looks on a background with the XYZ color 71.8957, 78.2345,



# 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

71.8957, 78.2345, 86.9128

### Protanopia

75.3513, 78.4119, 84.5624

### Deuteranopia

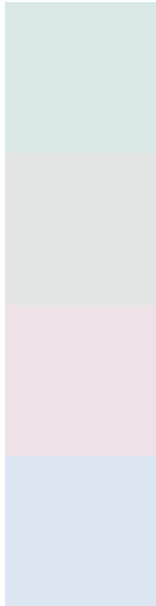
79.8962, 78.2655, 87.9866



## Tritanopia

74.4778, 78.0316, 99.9431

# Trichromacy



## Original Color

71.8957, 78.2345, 86.9128

## Protanomaly

73.8407, 78.0267, 85.2976

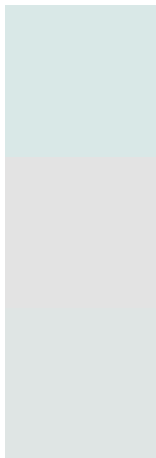
## Deuteranomaly

76.6869, 78.2234, 87.4007

## Tritanomaly

73.5372, 78.0645, 95.1965

# Monochromacy



## Original Color

71.8957, 78.2345, 86.9128

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.4543, 77.3280, 84.5058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8957, 78.2345, 86.9128 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(217, 232, 231) looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 231)  
}
```

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(217, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8957, 78.2345, 86.9128 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(217, 232, 231) }
```



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

```
.border{ border-color:rgb(217, 232, 231) }
```

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

Here you see how a box with a 4 pixel rgb(217, 232, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8957, 78.2345, 86.9128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 231) }
```

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

```
.background{ background-color: rgb(217,  
232, 231) }
```

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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