

# Converting Colors

XYZ(69.4817, 78.9189, 77.2063)

Have a look what the booklet for  
XYZ(69.4817, 78.9189, 77.2063)  
contains.

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# Color

**XYZ(69.3838, 78.8495,  
77.2082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3ECD9
RGB	211, 236, 217
RGB Percent	83%, 93%, 85%
CMY	0.1725, 0.0745, 0.1490
CMYK	0.11, 0.00, 0.08, 0.07
HSL	134°, 40%, 88%
HSV	134°, 11%, 93%
XYZ	69.3838, 78.8495, 77.2082
YIQ	226.3590, -8.8010, -11.2090

# Conversions

## Conversions Part 2

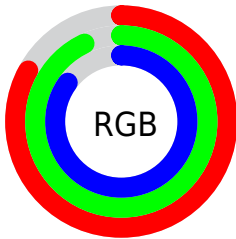
Format	Color
<a href="#">RYB</a>	<a href="#">211, 231, 236</a>
Decimal	<a href="#">13888729</a>
CIELab	<a href="#">91.17, -11.72, 6.42</a>
CIELCh	<a href="#">91, 13.363, 151.273</a>
Yxy	<a href="#">78.8495, 0.3078, 0.3498</a>
Android (android.graphics.Color)	<a href="#">4292078809</a> <a href="#">(0xFFD3ECD9)</a>
YUV	<a href="#">226.3590, -4.6140, -13.4698</a>
Hunter-Lab	<a href="#">88.7972, -15.9200, 10.6061</a>

# Details

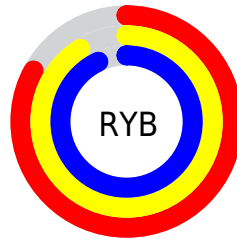
The XYZ color **69.3838, 78.8495, 77.2082** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1721, 70.1365, 84.6004**, and the grayscale version is **72.5873, 76.3674, 83.1642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5531, 42.3191, 40.4243** is the 20% darker color. If you saturate the color by 10%, you get **60.9051, 74.7359, 65.2877**, and if you desaturate by 10%, it is **79.1132, 83.5830, 90.5144**.

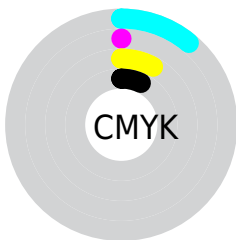
# Distribution



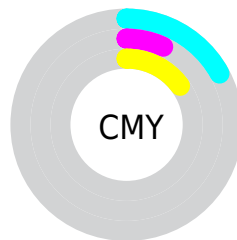
- Red (83%)
- Green (93%)
- Blue (85%)



- Red (83%)
- Yellow (91%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3838, 78.8495, 77.2082 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 69.3838, 78.8495, 77.2082 by changing the saturation by 10% instead.



69.3838, 78.8495,  
77.2082

69.3838, 78.8495,  
77.2082

447.6837,  
491.0471, 504.9301

51.3021, 58.7721,  
56.9112

117.3607,  
131.7470, 131.2090

36.6711, 42.4297,  
40.5251

147.9865,  
165.3358, 165.7499

25.1255, 29.4379,  
27.6313

183.5245,  
204.1972, 205.8759

16.2998, 19.4123,  
17.8113

224.3400,  
248.7156, 252.0054

9.8287, 11.9686,  
10.6465

270.7983,  
299.2754, 304.5570

5.3469, 6.7223,  
5.7185

323.2648,

2.4891, 3.2890,

356.2610, 363.9493

2.6087

382.1048,  
420.0567, 430.6008

■ 0.8897, 1.2844,  
0.8969

■ 0.0000, 0.1291,  
0.0000

■ 69.3838, 78.8495,  
77.2082

■ 69.3838, 78.8495,  
77.2082

■ 60.9051, 74.7359,  
65.2877

■ 79.1132, 83.5830,  
90.5144

■ 53.6193, 71.2066,  
54.7030

■ 88.9468, 88.3378,  
105.1878

■ 47.4739, 68.2379,  
45.4090

■ 89.2869, 88.4739,  
106.9790

■ 42.4098, 65.8003,  
37.3562

■ 38.3625, 63.8616,  
30.4916

■ 35.2603, 62.3860,  
24.7586

■ 33.0220, 61.3330,  
20.0959

■ 31.5516, 60.6545,  
16.4361

■ 30.7264, 60.2857,  
13.8401

# Harmonies

## Analogous

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



71.6180, 78.8495, 70.8964



69.3838, 78.8495, 77.2082



68.6277, 78.8495, 86.2683

# Triad

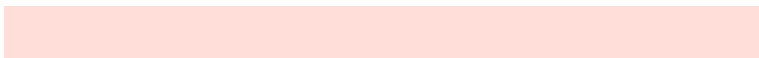
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3838, 78.8495, 77.2082



75.0887, 78.8495, 105.8559



80.6419, 78.8495, 76.5421

# Complementary

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



69.3838, 78.8495, 77.2082



72.1721, 70.1365, 84.6004

# 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.



81.6367, 78.8495, 85.4404



69.3838, 78.8495, 77.2082



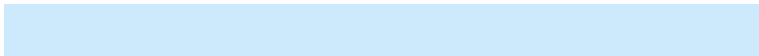
78.3716, 78.8495, 102.7793

# Square

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



69.3838, 78.8495, 77.2082



71.8612, 78.8495, 103.2468



80.7938, 78.8495, 95.1216



78.1139, 78.8495, 70.5327



# Rectangle

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



69.3838, 78.8495, 77.2082



69.0449, 78.8495, 92.7911



80.7938, 78.8495, 95.1216



81.1700, 78.8495, 79.2710

# Sweetspot

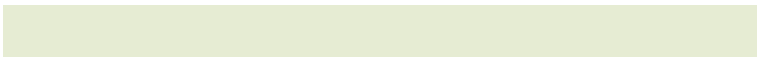
The Sweet Spot groups the original color and five complimentary colors.



69.3860, 78.8529, 77.2099



91.3692, 98.2090, 103.9151



74.4431, 81.5484, 73.4459



19.3513, 20.9208, 21.9625



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

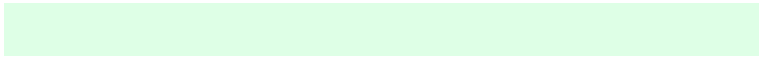


# Same Dimension

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



69.3860, 78.8529, 77.2099



80.0938, 92.7281, 88.3964



71.0514, 79.5190, 85.9800



15.0165, 16.9214, 16.7697



16.9783, 33.2458, 7.8510



1.3700, 2.6253, 0.8103



# Inverse Universe

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



72.1721, 70.1365, 84.6004



84.1169, 80.1411, 99.0674



70.5001, 69.4677, 75.7958



15.5513, 15.2484, 18.1883



23.6265, 11.6533, 24.8984

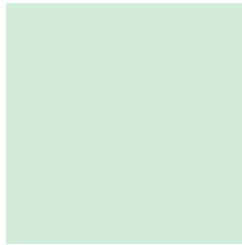


1.8923, 0.9299, 2.1502



# Previews

## White Background



This preview shows how the XYZ color 69.3838, 78.8495, 77.2082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

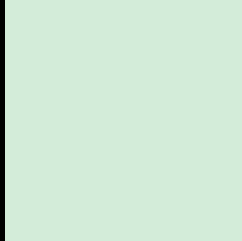
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3838, 78.8495, 77.2082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

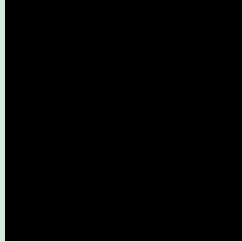
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

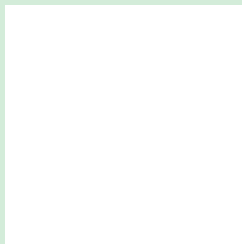
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.3838, 78.8495, 77.2082**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3838, 78.8495, 77.2082.



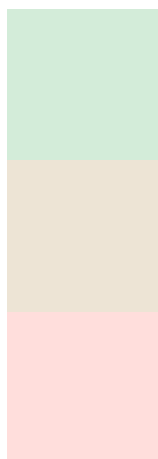
This preview shows how white text looks on a background with the XYZ color 69.3838, 78.8495,



# 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

69.3838, 78.8495, 77.2082

### Protanopia

74.6787, 78.2954, 74.1273

### Deuteranopia

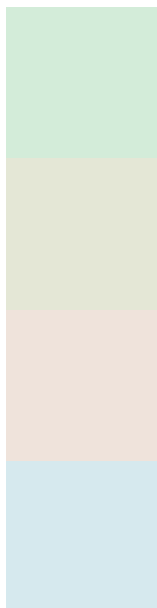
80.2795, 78.6699, 78.6638



## **Tritanopia**

74.1501, 78.6529, 101.7159

# Trichromacy



## Original Color

69.3838, 78.8495, 77.2082

## Protanomaly

72.7084, 78.5008, 74.9384

## Deuteranomaly

75.8519, 78.4034, 78.1534

## Tritanomaly

72.3031, 78.7470, 92.2778

# Monochromacy



## Original Color

69.3838, 78.8495, 77.2082

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.4349, 77.2935, 80.9662

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3838, 78.8495, 77.2082 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, 236, 217)` looks like.

```
.text, #text, p{  
    color:rgb(211, 236, 217)  
}
```

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, 236, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 236, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3838, 78.8495, 77.2082 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, 236, 217) }
```



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

```
.border{ border-color:rgb(211, 236, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 236, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 236, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 236, 217); box-shadow:4px 4px 4px 4px rgb(211, 236, 217) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3838, 78.8495, 77.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 236, 217) }
```

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

```
.background{ background-color: rgb(211,  
236, 217) }
```

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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