

# Converting Colors

XYZ(69.8093, 78.2037, 77.7452)

Have a look what the booklet for  
XYZ(69.8093, 78.2037, 77.7452)  
contains.

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# Color

**XYZ(69.8093, 78.2037,  
77.7452)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6EADA
RGB	214, 234, 218
RGB Percent	84%, 92%, 85%
CMY	0.1608, 0.0823, 0.1451
CMYK	0.09, 0.00, 0.07, 0.08
HSL	132°, 32%, 88%
HSV	132°, 9%, 92%
XYZ	69.8093, 78.2037, 77.7452
YIQ	226.1960, -6.7840, -9.2160

# Conversions

## Conversions Part 2

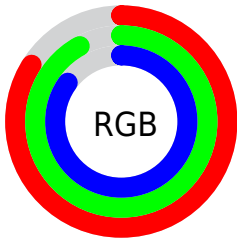
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 231, 234
Decimal	14084826
CIE Lab	90.87, -9.54, 5.50
CIE LCh	91, 11.010, 150.004
Yxy	78.2037, 0.3092, 0.3464
Android (android.graphics.Color)	4292274906 (0xFFD6EADA)
YUV	226.1960, -4.0406, -10.6959
Hunter-Lab	88.4329, -13.8488, 9.7786

# Details

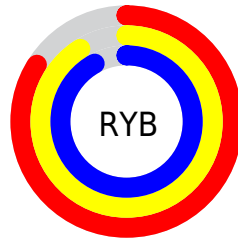
The XYZ color **69.8093, 78.2037, 77.7452** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2640, 71.3008, 84.8204**, and the grayscale version is **72.4642, 76.2380, 83.0231**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8293, 41.8561, 40.7882** is the 20% darker color. If you saturate the color by 10%, you get **61.1514, 74.0099, 65.2662**, and if you desaturate by 10%, it is **79.7294, 83.0207, 91.7311**.

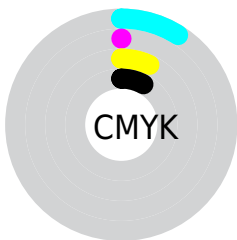
# Distribution



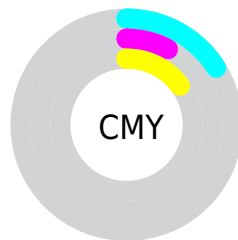
- Red (84%)
- Green (92%)
- Blue (85%)



- Red (84%)
- Yellow (91%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8093, 78.2037, 77.7452 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 69.8093, 78.2037, 77.7452 by changing the saturation by 10% instead.



■ 69.8093, 78.2037,  
77.7452

■ 69.8093, 78.2037,  
77.7452

449.1570,  
488.8583, 506.8060

■ 51.6501, 58.2413,  
57.3495

117.9645,  
130.8372, 131.9735

■ 36.9494, 42.0027,  
40.8747

148.6913,  
164.2772, 166.6431

■ 25.3418, 29.1034,  
27.9022

184.3379,  
202.9785, 206.9078

■ 16.4620, 19.1591,  
18.0136

225.2698,  
247.3254, 253.1861

■ 9.9446, 11.7853,  
10.7902

271.8523,  
297.7025, 305.8965

■ 5.4242, 6.5976,  
5.8135

324.4508,

■ 2.5355, 3.2118,

354.4941, 365.4576

2.6651

383.4305,  
418.0846, 432.2880

■ 0.9132, 1.2433,  
0.9258

■ 0.0000, 0.0966,  
0.0000

■ 69.8093, 78.2037,  
77.7452

■ 69.8093, 78.2037,  
77.7452

■ 61.1514, 74.0099,  
65.2662

■ 79.7294, 83.0207,  
91.7311

■ 53.6984, 70.4041,  
54.2386

■ 88.7143, 87.3286,  
106.7881

■ 47.3982, 67.3628,  
44.6113

■ 42.1924, 64.8570,  
36.3281

■ 38.0172, 62.8552,  
29.3290

■ 34.8022, 61.3224,  
23.5494

■ 32.4679, 60.2191,  
18.9192

■ 30.9215, 59.4990,  
15.3609

■ 30.0321, 59.0966,  
12.7866

# Harmonies

## Analogous

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



71.6968, 78.2037, 72.6043



69.8093, 78.2037, 77.7452



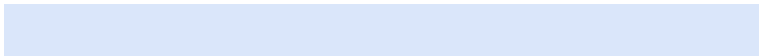
69.1269, 78.2037, 85.1516

# Triad

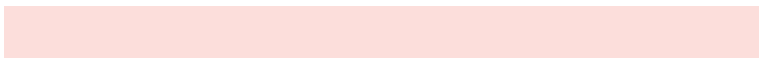
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8093, 78.2037, 77.7452



74.3306, 78.2037, 101.3447



79.0419, 78.2037, 77.7434

# Complementary

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



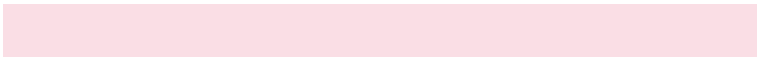
69.8093, 78.2037, 77.7452



72.2640, 71.3008, 84.8204

# 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.



79.7884, 78.2037, 85.1495



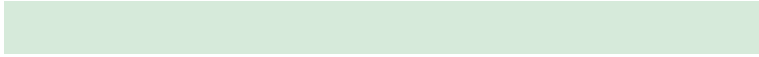
69.8093, 78.2037, 77.7452



77.0274, 78.2037, 99.0647

# Square

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



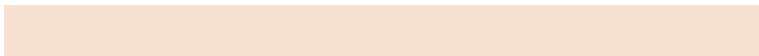
69.8093, 78.2037, 77.7452



71.6974, 78.2037, 99.0659



79.0423, 78.2037, 93.0118

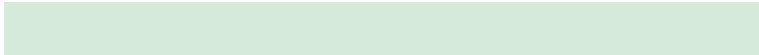


77.0268, 78.2037, 72.6034



# Rectangle

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



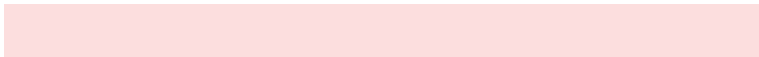
69.8093, 78.2037, 77.7452



69.4337, 78.2037, 90.4796



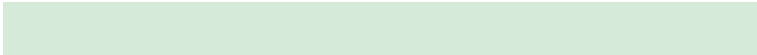
79.0423, 78.2037, 93.0118



79.4518, 78.2037, 80.0350

# Sweetspot

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



69.8115, 78.2070, 77.7469



91.3215, 98.1899, 103.6636



74.3038, 80.5827, 75.2573



19.3384, 20.9157, 21.8949



0.0000, 0.0000, 0.0000

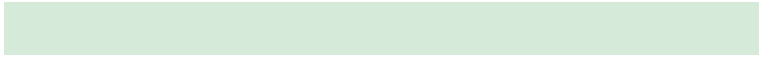


20.3446, 21.4041, 23.3091



# Same Dimension

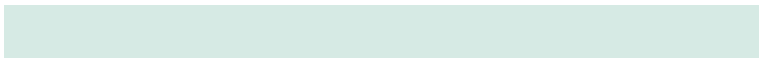
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8115, 78.2070, 77.7469



83.1704, 94.2354, 92.0997



71.1143, 78.7281, 84.6073



14.9915, 16.9114, 16.6379



16.8556, 33.1967, 7.2047



1.3570, 2.6201, 0.7420



# Inverse Universe

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



72.2640, 71.3008, 84.8204



86.6376, 84.4716, 102.0993



70.9432, 70.7724, 77.8651



15.5782, 15.2591, 18.3301



24.1667, 11.8694, 27.7429

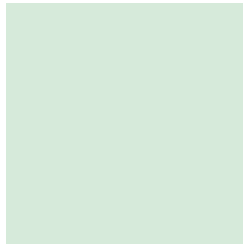


1.9304, 0.9451, 2.3510



# Previews

## White Background



This preview shows how the XYZ color 69.8093, 78.2037, 77.7452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

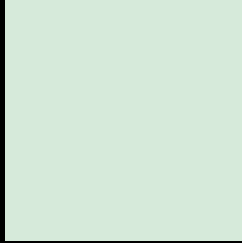
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8093, 78.2037, 77.7452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

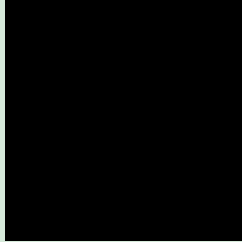
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

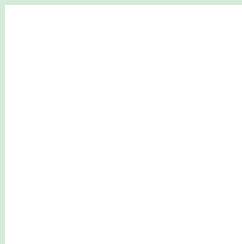
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.8093, 78.2037, 77.7452

## Background



This preview shows how black text looks on a background with the XYZ color 69.8093, 78.2037, 77.7452.



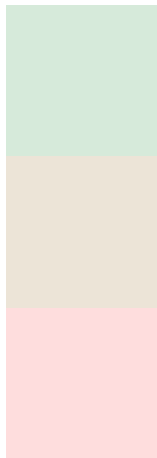
This preview shows how white text looks on a background with the XYZ color 69.8093, 78.2037,



# 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

69.8093, 78.2037, 77.7452

### Protanopia

74.6012, 78.2260, 75.4572

### Deuteranopia

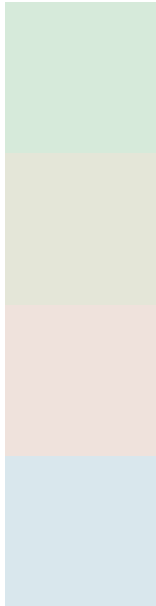
79.7806, 78.0042, 79.2580



## Tritanopia

74.4535, 78.4310, 100.0215

# Trichromacy



## Original Color

69.8093, 78.2037, 77.7452

## Protanomaly

72.6864, 78.0455, 76.1990

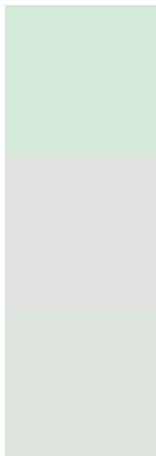
## Deuteranomaly

75.7112, 77.9107, 78.7580

## Tritanomaly

72.4772, 78.0180, 91.3598

# Monochromacy



## Original Color

69.8093, 78.2037, 77.7452

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.4628, 76.8959, 80.8879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8093, 78.2037, 77.7452 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(214, 234, 218) looks like.

```
.text, #text, p{  
    color:rgb(214, 234, 218)  
}
```

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(214, 234, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 234, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8093, 78.2037, 77.7452 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(214, 234, 218) }
```



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

```
.border{ border-color:rgb(214, 234, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 234, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 234, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 234, 218);  
box-shadow:4px 4px 4px 4px rgb(214, 234,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8093, 78.2037, 77.7452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 234, 218) }
```

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

```
.background{ background-color: rgb(214,  
234, 218) }
```

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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