

Converting Colors

XYZ(69.8842, 78.8966, 67.4224)

Have a look what the booklet for
XYZ(69.8842, 78.8966, 67.4224)
contains.

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Color

**XYZ(69.8842, 78.8966,
67.4224)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEBCA
RGB	220, 235, 202
RGB Percent	86%, 92%, 79%
CMY	0.1373, 0.0784, 0.2078
CMYK	0.06, 0.00, 0.14, 0.08
HSL	87°, 45%, 86%
HSV	87°, 14%, 92%
XYZ	69.8842, 78.8966, 67.4224
YIQ	226.7530, 1.6530, -13.4430

Conversions

Conversions Part 2

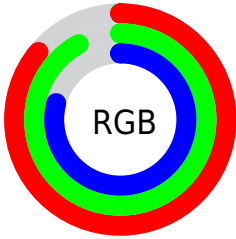
Format	Color
R_{YB}	202, 235, 217
Decimal	14478282
CIE _{Lab}	91.19, -10.73, 14.34
CIE _{LCh}	91, 17.908, 126.813
Yxy	78.8966, 0.3232, 0.3649
Android (android.graphics.Color)	4292668362 (0xFFDCEBCA)
YUV	226.7530, -12.2032, -5.9224
Hunter-Lab	88.8238, -15.0025, 17.1721

Details

The XYZ color **69.8842, 78.8966, 67.4224** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.7344, 62.9931, 87.3485**, and the grayscale version is **72.9211, 76.7186, 83.5466**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9824, 42.3777, 34.2475** is the 20% darker color. If you saturate the color by 10%, you get **64.1805, 76.2560, 53.7201**, and if you desaturate by 10%, it is **76.2227, 81.8202, 83.3696**.

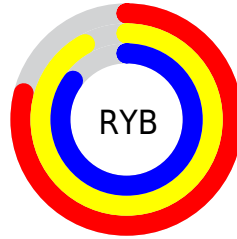
Distribution



Red (86%)

Green (92%)

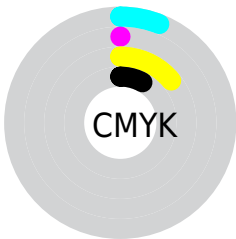
Blue (79%)



Red (79%)

Yellow (92%)

Blue (85%)

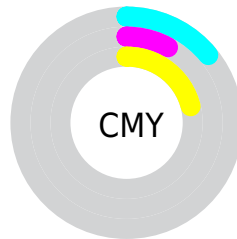


Cyan (6%)

Magenta (0%)

Yellow (14%)

Black (8%)



Cyan (14%)

Magenta (8%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8842, 78.8966, 67.4224 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 69.8842, 78.8966, 67.4224 by changing the saturation by 10% instead.

69.8842, 78.8966,
67.4224

69.8842, 78.8966,
67.4224

449.4161,
491.2065, 469.9892

51.7114, 58.8108,
48.9642

118.0708,
131.8133, 117.1718

36.9984, 42.4608,
34.2257

148.8152,
165.4130, 149.3002

25.3799, 29.4623,
22.7883

184.4810,
204.2860, 186.8224

16.4906, 19.4308,
14.2334

225.4333,
248.8169, 230.1569

9.9650, 11.9820,
8.1426

272.0377,
299.3900, 279.7223

5.4379, 6.7314,
4.0972

324.6593,

2.5438, 3.2947,

356.3897, 335.9371

1.6788

383.6637,
420.2004, 399.2199

■ 0.9174, 1.2875,
0.3462

■ 0.0000, 0.1315,
0.0000

■ 69.8842, 78.8966,
67.4224

■ 69.8842, 78.8966,
67.4224

■ 64.1805, 76.2560,
53.7201

■ 76.2227, 81.8202,
83.3696

■ 59.0822, 73.8784,
42.1567

■ 83.2111, 85.0254,
101.6508

■ 54.5670, 71.7570,
32.6254

■ 87.9242, 87.3453,
106.8330

■ 50.6084, 69.8808,
25.0082

■ 88.9999, 87.8999,
106.8833

■ 47.1776, 68.2377,
19.1750

■ 44.2424, 66.8143,
14.9793

■ 41.7662, 65.5956,
12.2515

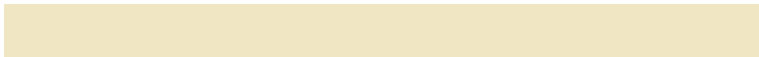
■ 39.7050, 64.5634,
10.7847

■ 38.6367, 64.0218,
10.3211

Harmonies

Analogous

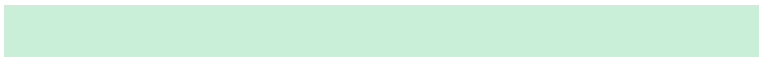
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9591, 78.8966, 63.4174



69.8842, 78.8966, 67.4224



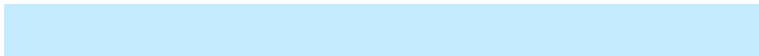
67.2554, 78.8966, 76.4425

Triad

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



69.8842, 78.8966, 67.4224



71.6076, 78.8966, 110.9667



83.9848, 78.8966, 82.9763

Complementary

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



69.8842, 78.8966, 67.4224



64.7344, 62.9931, 87.3485

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.



83.2935, 78.8966, 96.1178



69.8842, 78.8966, 67.4224



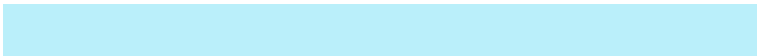
76.0281, 78.8966, 113.1645

Square

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



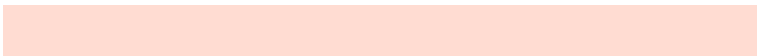
69.8842, 78.8966, 67.4224



68.2221, 78.8966, 101.7549



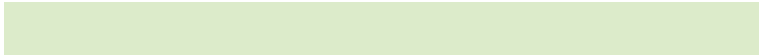
80.3362, 78.8966, 107.4898



82.1889, 78.8966, 71.7929

Rectangle

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



69.8842, 78.8966, 67.4224



66.6150, 78.8966, 84.5241



80.3362, 78.8966, 107.4898



84.0367, 78.8966, 87.3009

Sweetspot

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



69.8863, 78.9000, 67.4241



91.7654, 98.4914, 100.4004



69.6988, 71.4777, 66.0013



19.5124, 21.0218, 21.1586



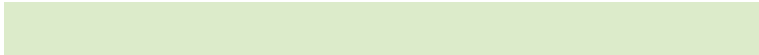
0.0000, 0.0000, 0.0000



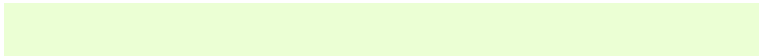
20.3446, 21.4041, 23.3091

Same Dimension

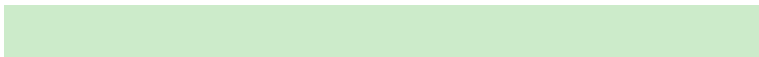
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8863, 78.9000, 67.4241



81.9569, 93.9677, 75.8741



65.1774, 76.4725, 67.2037



15.6534, 17.2669, 16.0265



21.6511, 35.7060, 5.7508



1.8108, 2.8608, 0.4568

Inverse Universe

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



64.7344, 62.9931, 87.3485



74.5769, 71.1808, 104.4164



69.8376, 65.6239, 87.5874



14.8817, 14.8843, 19.0109



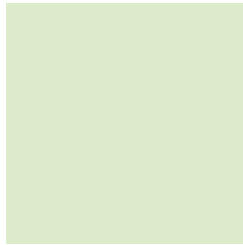
11.8524, 5.1461, 44.1116



1.0403, 0.4606, 3.4689

Previews

White Background



This preview shows how the XYZ color 69.8842, 78.8966, 67.4224 looks on a white background.

Color Contrast Check

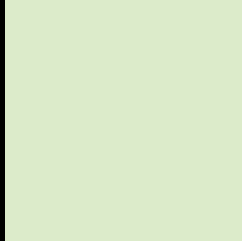
Large Text (above 18pt) WCAG AA × Fail

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 69.8842, 78.8966, 67.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

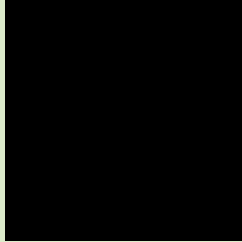
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

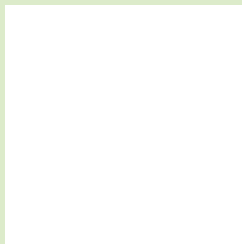
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8842, 78.8966, 67.4224

Background



This preview shows how black text looks on a background with the XYZ color 69.8842, 78.8966, 67.4224.



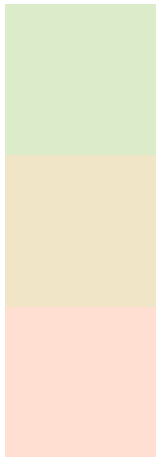
This preview shows how white text looks on a background with the XYZ color 69.8842, 78.8966,

67.4224.

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

69.8842, 78.8966, 67.4224

Protanopia

74.6037, 78.8629, 65.3229

Deuteranopia

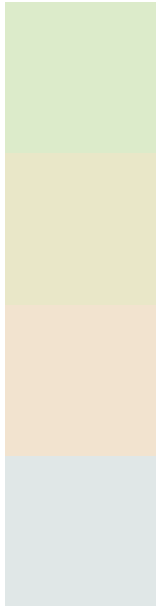
79.2605, 78.6885, 71.9837



Tritanopia

76.4864, 79.0849, 99.2293

Trichromacy



Original Color

69.8842, 78.8966, 67.4224

Protanomaly

72.6055, 78.6456, 65.9970

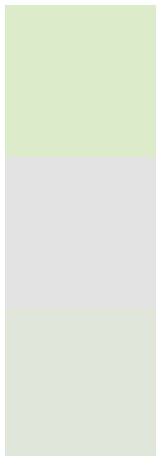
Deuteranomaly

75.3495, 78.3204, 70.1775

Tritanomaly

73.7402, 78.7686, 86.9187

Monochromacy



Original Color

69.8842, 78.8966, 67.4224

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.6922, 77.5029, 77.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8842, 78.8966, 67.4224 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(220, 235, 202)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 202)  
}
```

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(220, 235, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 202) }
```

Border

The CSS property to change the border of an element to XYZ 69.8842, 78.8966, 67.4224 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(220, 235, 202) }
```


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

```
.border{ border-color:rgb(220, 235, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 202);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8842, 78.8966, 67.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 202) }
```

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

```
.background{ background-color: rgb(220,  
235, 202) }
```

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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