

Converting Colors

XYZ(69.8687, 74.2599, 78.3031)

Have a look what the booklet for
XYZ(69.8687, 74.2599, 78.3031)
contains.

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Color

**XYZ(69.6981, 74.0082,
78.3217)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE0DC
RGB	222, 224, 220
RGB Percent	87%, 88%, 86%
CMY	0.1294, 0.1215, 0.1372
CMYK	0.01, 0.00, 0.02, 0.12
HSL	90°, 6%, 87%
HSV	90°, 2%, 88%
XYZ	69.6981, 74.0082, 78.3217
YIQ	222.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

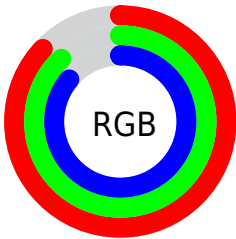
Format	Color
R _Y B	220, 224, 222
Decimal	14606556
CIE Lab	88.93, -1.39, 1.71
CIE LCh	89, 2.199, 129.051
Yxy	74.0082, 0.3139, 0.3333
Android (android.graphics.Color)	4292796636 (0xFFDEE0DC)
YUV	222.9460, -1.4524, -0.8296
Hunter-Lab	86.0280, -5.9321, 6.2408

Details

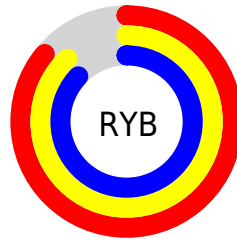
The XYZ color **69.6981, 74.0082, 78.3217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1748, 72.0999, 80.7956**, and the grayscale version is **70.1126, 73.7639, 80.3289**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9158, 39.3080, 41.2388** is the 20% darker color. If you saturate the color by 10%, you get **63.6077, 71.1907, 63.5739**, and if you desaturate by 10%, it is **76.4187, 77.1088, 95.1772**.

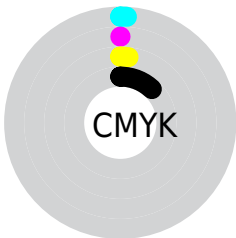
Distribution



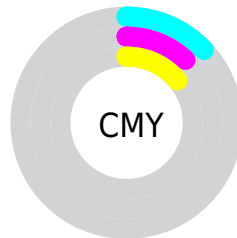
- Red (87%)
- Green (88%)
- Blue (86%)



- Red (86%)
- Yellow (88%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (13%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6981, 74.0082, 78.3217 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 69.6981, 74.0082, 78.3217 by changing the saturation by 10% instead.

■ 69.6981, 74.0082,
78.3217

■ 69.6981, 74.0082,
78.3217

448.7722,
474.5017, 508.8155

■ 51.5592, 54.8008,
57.8203

117.8067,
124.9074, 132.7935

■ 36.8767, 39.2422,
41.2504

148.5072,
157.3680, 167.6010

■ 25.2852, 26.9482,
28.1936

184.1254,
195.0151, 208.0142

■ 16.4196, 17.5343,
18.2314

225.0269,
238.2330, 254.4517

■ 9.9143, 10.6162,
10.9451

271.5770,
287.4063, 307.3320

■ 5.4040, 5.8094,
5.9162

324.1410,

■ 2.5234, 2.7295,

342.9192, 367.0738

2.7262

383.0843,
405.1562, 434.0954

■ 0.9070, 0.9922,
0.9566

■ 0.0000, 0.0000,
0.0000

■ 69.6981, 74.0082,
78.3217

■ 69.6981, 74.0082,
78.3217

■ 63.6077, 71.1907,
63.5739

■ 76.4187, 77.1088,
95.1772

■ 58.1211, 68.6384,
50.8460

■ 82.1634, 79.8436,
105.6886

■ 53.2192, 66.3452,
40.0514

■ 85.9471, 81.7942,
105.8657

■ 48.8793, 64.3016,
31.0952

■ 45.0770, 62.4973,
23.8744

■ 41.7859, 60.9212,
18.2761

■ 38.9768, 59.5610,
14.1738

■ 36.6169, 58.4028,
11.4223

■ 34.6673, 57.4306,
9.8475

Harmonies

Analogous

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



70.1813, 74.0082, 77.7150



69.6981, 74.0082, 78.3217



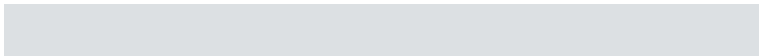
69.3886, 74.0082, 79.5362

Triad

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



69.6981, 74.0082, 78.3217



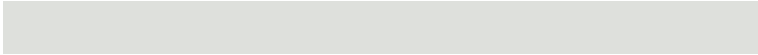
69.9763, 74.0082, 83.3580



71.3608, 74.0082, 80.1209

Complementary

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



69.6981, 74.0082, 78.3217



69.1748, 72.0999, 80.7956

Split Complementary

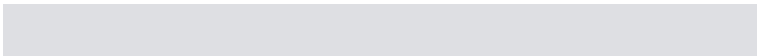
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3052, 74.0082, 81.6376



69.6981, 74.0082, 78.3217



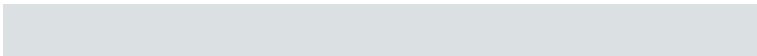
70.5041, 74.0082, 83.5194

Square

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



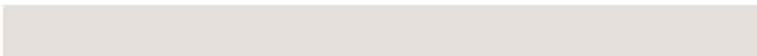
69.6981, 74.0082, 78.3217



69.5487, 74.0082, 82.4480



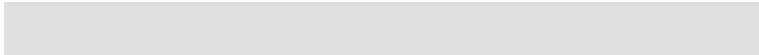
70.9910, 74.0082, 82.8861



71.1424, 74.0082, 78.7451

Rectangle

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



69.6981, 74.0082, 78.3217



69.3216, 74.0082, 80.5337



70.9910, 74.0082, 82.8861



71.3735, 74.0082, 80.6310

Sweetspot

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



69.7002, 74.0114, 78.3233



94.1741, 99.5956, 106.7302



69.7828, 73.2599, 78.1739



20.1664, 21.3218, 22.8675



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.



69.7002, 74.0114, 78.3233



93.3067, 99.1949, 104.5890



69.0913, 73.6975, 78.2948



15.1936, 16.1418, 17.0542



19.5287, 33.0999, 5.3597



1.4569, 2.3475, 0.3763

Inverse Universe

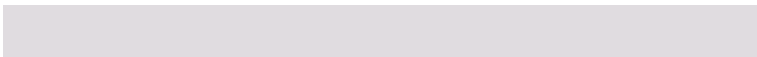
The Inverse Universe completely reimagines the original color for something new.



69.1748, 72.0999, 80.7956



92.5136, 96.3092, 108.3213



69.7910, 72.4175, 80.8244



15.0725, 15.7013, 17.6239



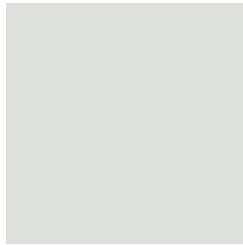
11.8627, 5.2107, 41.4289



0.9255, 0.4144, 2.8765

Previews

White Background



This preview shows how the XYZ color 69.6981, 74.0082, 78.3217 looks on a white background.

Color Contrast Check

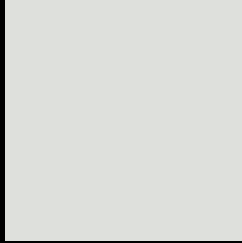
Large Text (above 18pt) WCAG AA × Fail

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 69.6981, 74.0082, 78.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

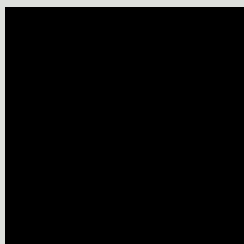
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

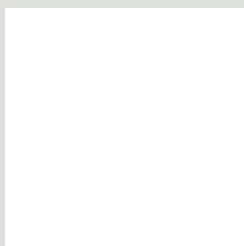
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6981, 74.0082, 78.3217

Background



This preview shows how black text looks on a background with the XYZ color 69.6981, 74.0082, 78.3217.

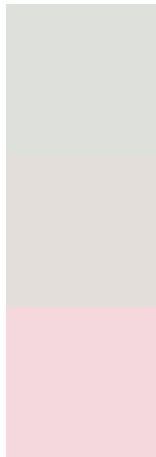


This preview shows how white text looks on a background with the XYZ color 69.6981, 74.0082,

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

69.6981, 74.0082, 78.3217

Protanopia

70.9024, 73.8510, 77.5355

Deuteranopia

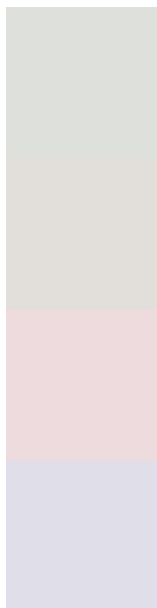
75.3969, 73.7981, 79.3779



Tritanopia

72.4878, 73.9524, 92.1151

Trichromacy



Original Color

69.6981, 74.0082, 78.3217

Protanomaly

70.5379, 74.0586, 77.5948

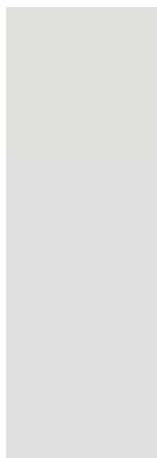
Deuteranomaly

73.3077, 73.8880, 78.8047

Tritanomaly

71.4272, 73.9160, 86.8465

Monochromacy



Original Color

69.6981, 74.0082, 78.3217

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.0039, 73.7373, 79.6504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6981, 74.0082, 78.3217 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(222, 224, 220) looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 220)  
}
```

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(222, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 220) }
```

Border

The CSS property to change the border of an element to XYZ 69.6981, 74.0082, 78.3217 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(222, 224, 220) }
```


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

```
.border{ border-color:rgb(222, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6981, 74.0082, 78.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 220) }
```

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

```
.background{ background-color: rgb(222,  
224, 220) }
```

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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