

Converting Colors

XYZ(68.1722, 74.1480, 78.7571)

Have a look what the booklet for
XYZ(68.1722, 74.1480, 78.7571)
contains.

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Color

**XYZ(68.1390, 74.0071,
78.4036)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E2DC
RGB	215, 226, 220
RGB Percent	84%, 89%, 86%
CMY	0.1569, 0.1137, 0.1372
CMYK	0.05, 0.00, 0.03, 0.11
HSL	147°, 16%, 86%
HSV	147°, 5%, 89%
XYZ	68.1390, 74.0071, 78.4036
YIQ	222.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

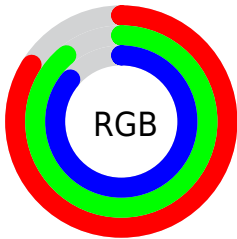
Format	Color
RYB	215, 223, 226
Decimal	14148316
CIELab	88.93, -4.77, 1.64
CIElCh	89, 5.046, 160.981
Yxy	74.0071, 0.3090, 0.3356
Android (android.graphics.Color)	4292338396 (0xFFD7E2DC)
YUV	222.0270, -0.9993, -6.1627
Hunter-Lab	86.0274, -9.1649, 6.1835

Details

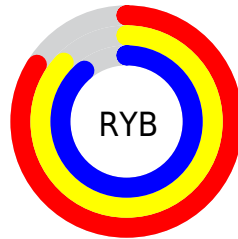
The XYZ color **68.1390, 74.0071, 78.4036** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7184, 69.9921, 78.2983**, and the grayscale version is **69.4612, 73.0786, 79.5826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8516, 39.3160, 41.2965** is the 20% darker color. If you saturate the color by 10%, you get **60.3824, 70.1923, 69.8281**, and if you desaturate by 10%, it is **76.9371, 78.3490, 87.6598**.

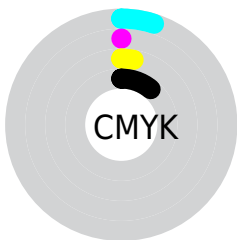
Distribution



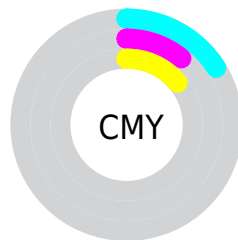
- Red (84%)
- Green (89%)
- Blue (86%)



- Red (84%)
- Yellow (87%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1390, 74.0071, 78.4036 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 68.1390, 74.0071, 78.4036 by changing the saturation by 10% instead.

■ 68.1390, 74.0071,
78.4036

■ 68.1390, 74.0071,
78.4036

443.3573,
474.4979, 509.1006

■ 50.2849, 54.7998,
57.8872

115.5918,
124.9059, 132.9100

■ 35.8586, 39.2415,
41.3038

145.9212,
157.3662, 167.7370

■ 24.4946, 26.9476,
28.2351

181.1398,
195.0130, 208.1712

■ 15.8276, 17.5339,
18.2624

221.6128,
238.2306, 254.6313

■ 9.4923, 10.6159,
10.9671

267.7058,
287.4036, 307.5358

■ 5.1233, 5.8092,
5.9308

319.7839,

■ 2.3553, 2.7294,

342.9161, 367.3031

2.7350

378.2127,
405.1528, 434.3519

■ 0.8227, 0.9921,
0.9610

■ 0.0000, 0.0000,
0.0000

■ 68.1390, 74.0071,
78.4036

■ 68.1390, 74.0071,
78.4036

■ 60.3824, 70.1923,
69.8281

■ 76.9371, 78.3490,
87.6598

■ 53.6210, 66.8749,
61.9131

■ 84.8679, 82.2276,
97.5159

■ 47.8144, 64.0363,
54.6444

■ 86.4878, 82.8755,
106.0459

■ 42.9168, 61.6534,
48.0052

■ 38.8785, 59.7008,
41.9784

■ 35.6449, 58.1507,
36.5457

■ 33.1547, 56.9719,
31.6880

■ 31.3368, 56.1281,
27.3849

■ 30.1053, 55.5754,
23.6144

Harmonies

Analogous

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



68.8087, 74.0071, 75.5971



68.1390, 74.0071, 78.4036



68.0554, 74.0071, 81.8724

Triad

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



68.1390, 74.0071, 78.4036



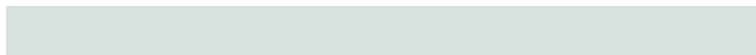
70.7910, 74.0071, 87.3836



72.1340, 74.0071, 76.2395

Complementary

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



68.1390, 74.0071, 78.4036



68.7184, 69.9921, 78.2983

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.



72.6783, 74.0071, 79.3036



68.1390, 74.0071, 78.4036



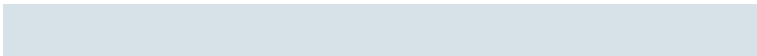
71.8969, 74.0071, 85.7796

Square

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



68.1390, 74.0071, 78.4036



69.5770, 74.0071, 87.1256



72.5910, 74.0071, 82.7987



71.1116, 74.0071, 74.3729

Rectangle

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



68.1390, 74.0071, 78.4036



68.3422, 74.0071, 84.1022



72.5910, 74.0071, 82.7987



72.3795, 74.0071, 77.1598

Sweetspot

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



68.1411, 74.0103, 78.4052



93.8948, 99.4303, 107.6809



69.2989, 74.6825, 75.0539



20.1095, 21.2882, 23.0610



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.



68.1411, 74.0103, 78.4052



88.3283, 96.6867, 101.7215



68.8754, 74.3040, 82.2720



14.2677, 15.6772, 16.4376



16.9616, 31.6095, 12.7869



1.2204, 2.2089, 1.1219

Inverse Universe

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



68.7184, 69.9921, 78.2983



89.2626, 90.1840, 101.5485



68.0033, 69.7061, 74.5329



14.4333, 14.5245, 16.4069



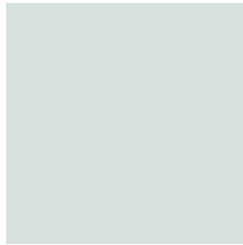
20.0045, 10.0688, 11.9556



1.4316, 0.7159, 1.0657

Previews

White Background



This preview shows how the XYZ color 68.1390, 74.0071, 78.4036 looks on a white background.

Color Contrast Check

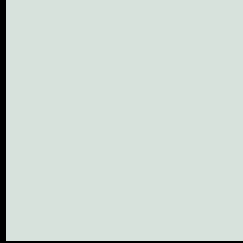
Large Text (above 18pt) WCAG AA × Fail

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 68.1390, 74.0071, 78.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

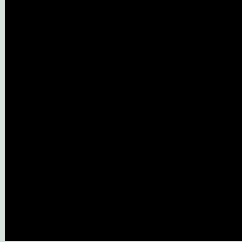
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

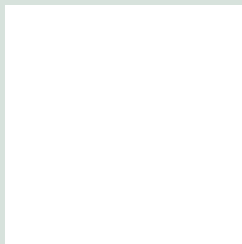
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1390, 74.0071, 78.4036

Background



This preview shows how black text looks on a background with the XYZ color 68.1390, 74.0071, 78.4036.

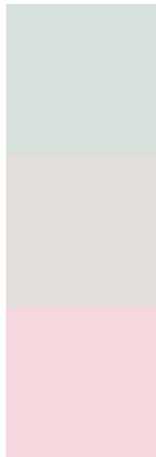


This preview shows how white text looks on a background with the XYZ color 68.1390, 74.0071,

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

68.1390, 74.0071, 78.4036

Protanopia

70.7711, 73.7985, 76.8442

Deuteranopia

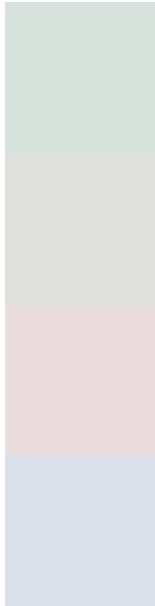
75.3969, 73.7981, 79.3779



Tritanopia

71.1783, 74.0317, 93.7571

Trichromacy



Original Color

68.1390, 74.0071, 78.4036

Protanomaly

69.6053, 73.5778, 77.5512

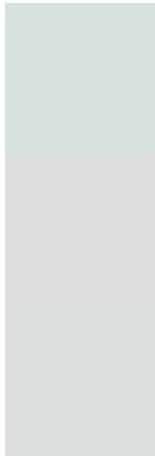
Deuteranomaly

72.5760, 73.8993, 78.8454

Tritanomaly

69.9789, 73.9462, 87.6756

Monochromacy



Original Color

68.1390, 74.0071, 78.4036

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.6522, 73.0559, 78.8894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1390, 74.0071, 78.4036 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(215, 226, 220) looks like.

```
.text, #text, p{  
    color:rgb(215, 226, 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(215, 226, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 226, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.1390, 74.0071, 78.4036 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(215, 226, 220) }
```


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

```
.border{ border-color:rgb(215, 226, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 226, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 226, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 226, 220);  
box-shadow:4px 4px 4px 4px rgb(215, 226,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1390, 74.0071, 78.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 226, 220) }
```

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

```
.background{ background-color: rgb(215,  
226, 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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