

Converting Colors

XYZ(68.8444, 74.8885, 72.4962)

Have a look what the booklet for
XYZ(68.8444, 74.8885, 72.4962)
contains.

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Color

**XYZ(68.7422, 74.8570,
72.4538)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE3D3
RGB	220, 227, 211
RGB Percent	86%, 89%, 83%
CMY	0.1372, 0.1098, 0.1725
CMYK	0.03, 0.00, 0.07, 0.11
HSL	86°, 22%, 86%
HSV	86°, 7%, 89%
XYZ	68.7422, 74.8570, 72.4538
YIQ	223.0830, 0.9640, -6.4600

Conversions

Conversions Part 2

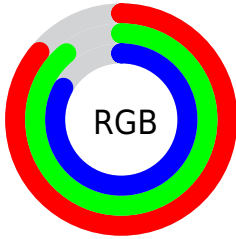
Format	Color
R_{YB}	211, 227, 218
Decimal	14476243
CIE Lab	89.33, -5.18, 6.99
CIE LCh	89, 8.698, 126.539
Yxy	74.8570, 0.3182, 0.3465
Android (android.graphics.Color)	4292666323 (0xFFDCE3D3)
YUV	223.0830, -5.9569, -2.7038
Hunter-Lab	86.5199, -9.5873, 10.9131

Details

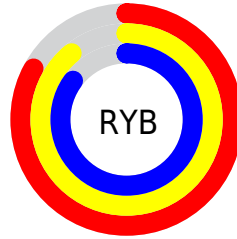
The XYZ color **68.7422, 74.8570, 72.4538** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.0758, 67.0421, 82.1348**, and the grayscale version is **70.2406, 73.8985, 80.4755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3554, 39.9387, 37.6911** is the 20% darker color. If you saturate the color by 10%, you get **63.1774, 72.2964, 58.3722**, and if you desaturate by 10%, it is **74.8918, 77.6770, 88.6638**.

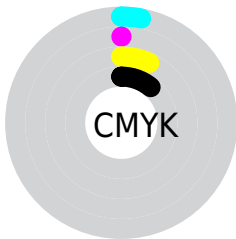
Distribution



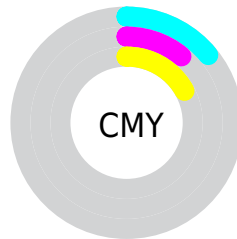
- Red (86%)
- Green (89%)
- Blue (83%)



- Red (83%)
- Yellow (89%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7422, 74.8570, 72.4538 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 68.7422, 74.8570, 72.4538 by changing the saturation by 10% instead.

68.7422, 74.8570,
72.4538

68.7422, 74.8570,
72.4538

445.4568,
477.4259, 488.1395

50.7777, 55.4957,
53.0404

116.4494,
126.1099, 124.4152

36.2520, 39.7988,
37.4470

146.9227,
158.7704, 157.8003

24.7999, 27.3817,
25.2553

182.2964,
196.6327, 196.6796

16.0560, 17.8601,
16.0466

222.9357,
240.0813, 241.4718

9.6549, 10.8496,
9.4024

269.2061,
289.5005, 292.5953

5.2312, 5.9658,
4.9042

321.4728,

2.4197, 2.8243,

345.2747, 350.4687

2.1334

380.1012,
407.7884, 415.5106

■ 0.8549, 1.0407,
0.6356

■ 0.0000, 0.0000,
0.0000

■ 68.7422, 74.8570,
72.4538

■ 68.7422, 74.8570,
72.4538

■ 63.1774, 72.2964,
58.3722

■ 74.8918, 77.6770,
88.6638

■ 58.1714, 69.9771,
46.3256

■ 81.4121, 80.6639,
105.8866

■ 53.7052, 67.8937,
36.2212

■ 84.8756, 82.4494,
106.0486

■ 49.7561, 66.0367,
27.9568

■ 86.7606, 83.4211,
106.1369

■ 46.2998, 64.3960,
21.4211

■ 43.3092, 62.9604,
16.4904

■ 40.7544, 61.7174,
13.0251

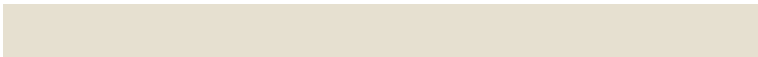
■ 38.6005, 60.6527,
10.8610

■ 36.8034, 59.7481,
9.7851

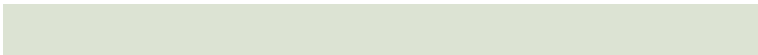
Harmonies

Analogous

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



70.6846, 74.8570, 70.4154



68.7422, 74.8570, 72.4538



67.4634, 74.8570, 76.9319

Triad

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



68.7422, 74.8570, 72.4538



69.5335, 74.8570, 92.7295



75.2901, 74.8570, 80.1801

Complementary

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



68.7422, 74.8570, 72.4538



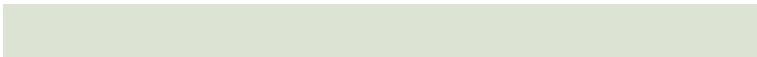
66.0758, 67.0421, 82.1348

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.



74.9671, 74.8570, 86.2590



68.7422, 74.8570, 72.4538



71.6161, 74.8570, 93.7051

Square

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



68.7422, 74.8570, 72.4538



67.9139, 74.8570, 88.6804



73.6120, 74.8570, 91.2836



74.4860, 74.8570, 74.7304

Rectangle

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



68.7422, 74.8570, 72.4538



67.1448, 74.8570, 80.8015



73.6120, 74.8570, 91.2836



75.3100, 74.8570, 82.2157

Sweetspot

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



68.7443, 74.8602, 72.4554



93.4232, 99.2550, 104.5945



68.4933, 71.1450, 71.7515



20.0135, 21.2525, 22.4326



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

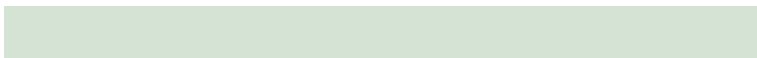
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7443, 74.8602, 72.4554



88.7289, 97.1009, 92.3604



66.3998, 73.6516, 72.3457



14.9609, 16.4869, 15.2982



21.3176, 34.7711, 5.5879



1.6815, 2.6242, 0.4179

Inverse Universe

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



66.0758, 67.0421, 82.1348



84.7886, 85.5567, 106.6530



68.5053, 68.2946, 82.2485



14.1783, 14.1942, 18.1368



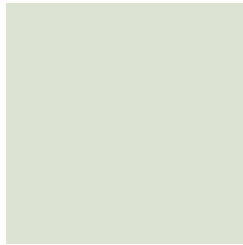
11.2380, 4.8593, 42.7288



0.9355, 0.4133, 3.1624

Previews

White Background



This preview shows how the XYZ color 68.7422, 74.8570, 72.4538 looks on a white background.

Color Contrast Check

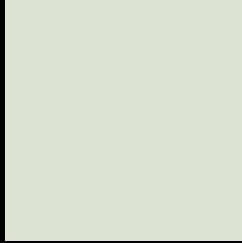
Large Text (above 18pt) WCAG AA × Fail

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 68.7422, 74.8570, 72.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

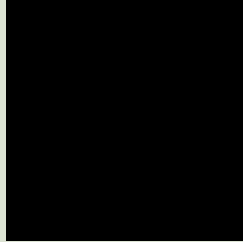
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

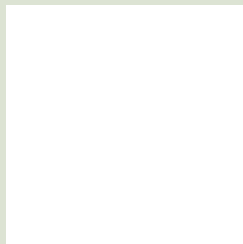
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7422, 74.8570, 72.4538

Background



This preview shows how black text looks on a background with the XYZ color 68.7422, 74.8570, 72.4538.



This preview shows how white text looks on a background with the XYZ color 68.7422, 74.8570,

72.4538.

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

68.7422, 74.8570, 72.4538

Protanopia

71.1750, 74.5346, 70.9569

Deuteranopia

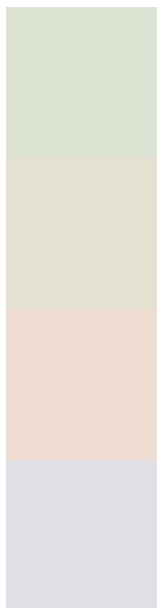
76.2474, 74.7538, 73.3610



Tritanopia

72.8563, 74.9139, 93.0580

Trichromacy



Original Color

68.7422, 74.8570, 72.4538

Protanomaly

70.2834, 74.4584, 71.6403

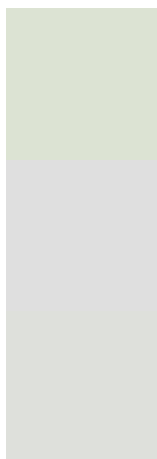
Deuteranomaly

73.3367, 74.8171, 72.8632

Tritanomaly

71.2299, 74.6564, 84.7847

Monochromacy



Original Color

68.7422, 74.8570, 72.4538

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.5660, 73.9554, 77.6261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7422, 74.8570, 72.4538 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, 227, 211)` looks like.

```
.text, #text, p{  
    color:rgb(220, 227, 211)  
}
```

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, 227, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 211) }
```

Border

The CSS property to change the border of an element to XYZ 68.7422, 74.8570, 72.4538 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, 227, 211) }
```


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

```
.border{ border-color:rgb(220, 227, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 227, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 211);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7422, 74.8570, 72.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 211) }
```

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

```
.background{ background-color: rgb(220,  
227, 211) }
```

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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