

Converting Colors

XYZ(72.2845, 78.2376, 83.3187)

Have a look what the booklet for
XYZ(72.2845, 78.2376, 83.3187)
contains.

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Color

**XYZ(72.1222, 78.0150,
83.2087)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE7E2
RGB	221, 231, 226
RGB Percent	87%, 91%, 89%
CMY	0.1333, 0.0941, 0.1137
CMYK	0.04, 0.00, 0.02, 0.09
HSL	150°, 17%, 89%
HSV	150°, 4%, 91%
XYZ	72.1222, 78.0150, 83.2087
YIQ	227.4400, -4.3550, -3.6750

Conversions

Conversions Part 2

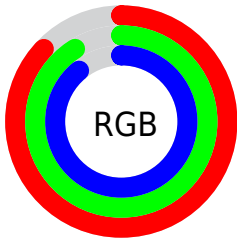
Format	Color
R_{YB}	221, 228, 231
Decimal	14542818
CIE Lab	90.79, -4.24, 1.26
CIE LCh	91, 4.421, 163.398
Yxy	78.0150, 0.3091, 0.3343
Android (android.graphics.Color)	4292732898 (0xFFDDE7E2)
YUV	227.4400, -0.7099, -5.6479
Hunter-Lab	88.3261, -8.8175, 5.9734

Details

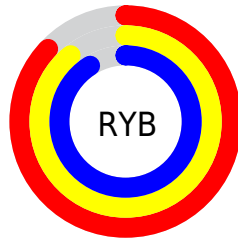
The XYZ color **72.1222, 78.0150, 83.2087** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5418, 74.1948, 82.4530**, and the grayscale version is **73.3432, 77.1627, 84.0302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4065, 41.7072, 44.5541** is the 20% darker color. If you saturate the color by 10%, you get **64.0349, 74.0251, 74.8315**, and if you desaturate by 10%, it is **81.2886, 82.5532, 92.1974**.

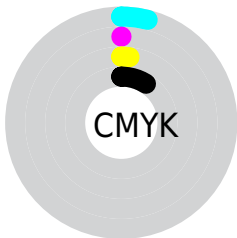
Distribution



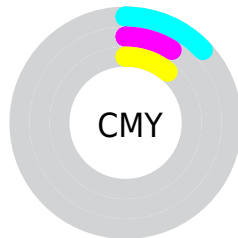
- Red (87%)
- Green (91%)
- Blue (89%)



- Red (87%)
- Yellow (89%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1222, 78.0150, 83.2087 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 72.1222, 78.0150, 83.2087 by changing the saturation by 10% instead.

■ 72.1222, 78.0150,
83.2087

■ 72.1222, 78.0150,
83.2087

457.1179,
488.2178, 525.6710

■ 53.5443, 58.0863,
61.8207

121.2401,
130.5713, 139.7196

■ 38.4667, 41.8780,
44.4530

152.5109,
163.9676, 175.6795

■ 26.5240, 29.0058,
30.6870

188.7433,
202.6220, 217.3339

■ 17.3508, 19.0852,
20.1042

230.3027,
246.9188, 265.1013

■ 10.5817, 11.7319,
12.2859

277.5545,
297.2423, 319.4001

■ 5.8515, 6.5614,
6.8138

330.8641,

■ 2.7948, 3.1893,

353.9771, 380.6490

3.2693

390.5968,
417.5074, 449.2664

■ 1.0462, 1.2314,
1.2337

■ 0.0000, 0.0871,
0.0065

■ 72.1222, 78.0150,
83.2087

■ 72.1222, 78.0150,
83.2087

■ 64.0349, 74.0251,
74.8315

■ 81.2886, 82.5532,
92.1974

■ 56.9786, 70.5524,
67.0479

■ 86.9336, 85.2613,
101.5881

■ 50.9115, 67.5778,
59.8462

■ 87.8674, 85.6348,
106.5058

■ 45.7862, 65.0772,
53.2127

■ 41.5512, 63.0241,
47.1330

■ 38.1499, 61.3898,
41.5918

■ 35.5189, 60.1418,
36.5734

■ 33.5848, 59.2426,
32.0609

■ 32.2584, 58.6466,
28.0360

Harmonies

Analogous

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



72.6926, 78.0150, 80.5761



72.1222, 78.0150, 83.2087



72.0918, 78.0150, 86.3708

Triad

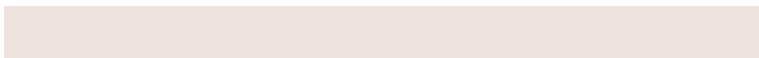
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1222, 78.0150, 83.2087



74.6471, 78.0150, 91.0376



75.7142, 78.0150, 80.8099

Complementary

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



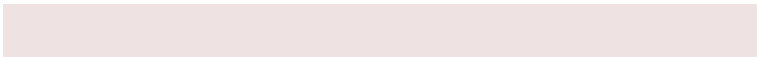
72.1222, 78.0150, 83.2087



72.5418, 74.1948, 82.4530

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.



76.2488, 78.0150, 83.5351



72.1222, 78.0150, 83.2087



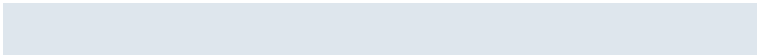
75.6286, 78.0150, 89.4692

Square

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



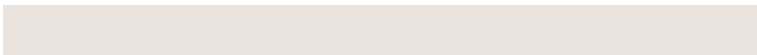
72.1222, 78.0150, 83.2087



73.5421, 78.0150, 90.9449



76.2173, 78.0150, 86.7054



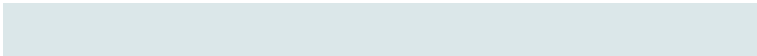
74.7631, 78.0150, 79.2151

Rectangle

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



72.1222, 78.0150, 83.2087



72.3814, 78.0150, 88.3580



76.2173, 78.0150, 86.7054



75.9490, 78.0150, 81.6212

Sweetspot

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



72.1244, 78.0183, 83.2104



93.9134, 99.4377, 107.7784



73.0462, 78.5717, 79.7236



20.1133, 21.2897, 23.0809



0.0000, 0.0000, 0.0000



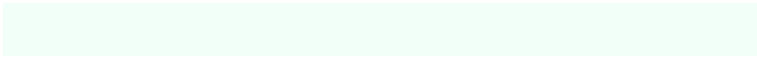
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1244, 78.0183, 83.2104



89.5039, 97.2575, 103.3695



72.7977, 78.2877, 86.7561



15.1563, 16.5387, 17.5210



17.8324, 32.7651, 14.8837



1.3646, 2.4400, 1.3467

Inverse Universe

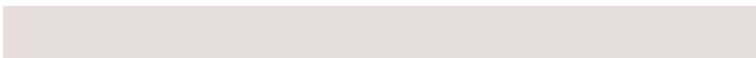
The Inverse Universe completely reimagines the original color for something new.



72.5418, 74.1948, 82.4530



90.1074, 91.7295, 102.2744



71.8872, 73.9330, 79.0059



15.2720, 15.4791, 17.3111



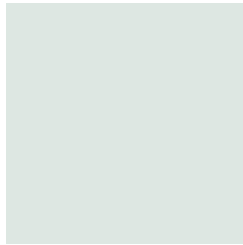
20.2901, 10.2502, 10.4225



1.5463, 0.7762, 1.0171

Previews

White Background



This preview shows how the XYZ color 72.1222, 78.0150, 83.2087 looks on a white background.

Color Contrast Check

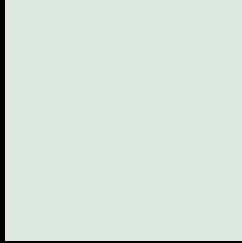
Large Text (above 18pt) WCAG AA × Fail

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 72.1222, 78.0150, 83.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

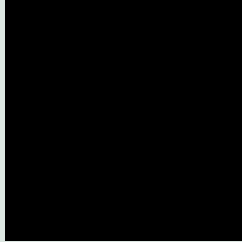
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

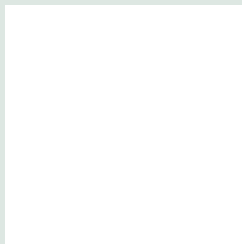
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1222, 78.0150, 83.2087

Background



This preview shows how black text looks on a background with the XYZ color 72.1222, 78.0150, 83.2087.

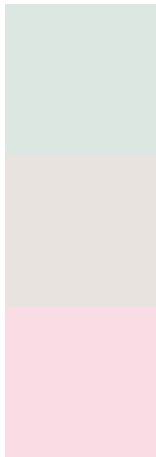


This preview shows how white text looks on a background with the XYZ color 72.1222, 78.0150,

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

72.1222, 78.0150, 83.2087

Protanopia

74.5279, 77.6436, 81.5797

Deuteranopia

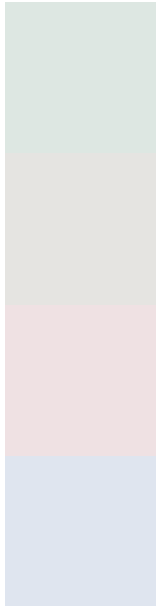
79.2844, 77.6383, 84.2057



Tritanopia

75.1184, 77.9879, 98.2828

Trichromacy



Original Color

72.1222, 78.0150, 83.2087

Protanomaly

73.6471, 77.5811, 82.3272

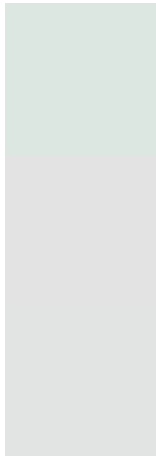
Deuteranomaly

76.3869, 77.7472, 83.6537

Tritanomaly

74.0307, 77.9586, 92.8070

Monochromacy



Original Color

72.1222, 78.0150, 83.2087

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.6599, 77.0404, 83.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1222, 78.0150, 83.2087 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(221, 231, 226) looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 226)  
}
```

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(221, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 226) }
```

Border

The CSS property to change the border of an element to XYZ 72.1222, 78.0150, 83.2087 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(221, 231, 226) }
```


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

```
.border{ border-color:rgb(221, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1222, 78.0150, 83.2087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 226) }
```

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

```
.background{ background-color: rgb(221,  
231, 226) }
```

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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