

Converting Colors

XYZ(72.2632, 78.4428, 87.0240)

Have a look what the booklet for
XYZ(72.2632, 78.4428, 87.0240)
contains.

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Color

**XYZ(72.1939, 78.3882,
86.9267)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE8E7
RGB	218, 232, 231
RGB Percent	85%, 91%, 91%
CMY	0.1451, 0.0902, 0.0941
CMYK	0.06, 0.00, 0.00, 0.09
HSL	176°, 23%, 88%
HSV	176°, 6%, 91%
XYZ	72.1939, 78.3882, 86.9267
YIQ	227.7000, -8.0230, -3.2790

Conversions

Conversions Part 2

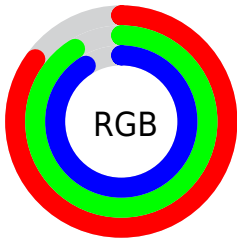
Format	Color
R _Y B	218, 225, 232
Decimal	14346471
CIE Lab	90.96, -4.82, -1.13
CIE LCh	91, 4.948, 193.171
Yxy	78.3882, 0.3040, 0.3300
Android (android.graphics.Color)	4292536551 (0xFFDAE8E7)
YUV	227.7000, 1.6269, -8.5069
Hunter-Lab	88.5371, -9.3896, 3.7644

Details

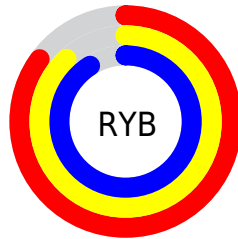
The XYZ color **72.1939, 78.3882, 86.9267** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.1392, 72.4152, 77.2498**, and the grayscale version is **73.5182, 77.3469, 84.2308**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3675, 41.9323, 46.6290** is the 20% darker color. If you saturate the color by 10%, you get **65.5027, 74.9679, 85.3949**, and if you desaturate by 10%, it is **79.8629, 82.3166, 88.5192**.

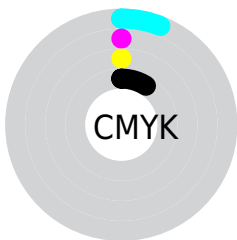
Distribution



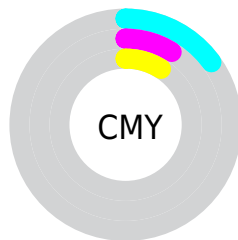
- Red (85%)
- Green (91%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1939, 78.3882, 86.9267 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 72.1939, 78.3882, 86.9267 by changing the saturation by 10% instead.

■ 72.1939, 78.3882,
86.9267

■ 72.1939, 78.3882,
86.9267

457.3634,
489.4842, 538.2919

■ 53.6031, 58.3929,
64.8753

121.3415,
131.0972, 144.9599

■ 38.5139, 42.1246,
46.9092

152.6290,
164.5798, 181.7788

■ 26.5608, 29.1989,
32.6101

188.8794,
203.3268, 224.3573

■ 17.3785, 19.2313,
21.5592

230.4582,
247.7229, 273.1138

■ 10.6017, 11.8375,
13.3382

277.7306,
298.1522, 328.4670

■ 5.8650, 6.6332,
7.5284

331.0620,

■ 2.8030, 3.2338,

354.9993, 390.8354

3.7113

390.8178,
418.6485, 460.6375

■ 1.0505, 1.2550,
1.4683

■ 0.0000, 0.1059,
0.1942

■ 72.1939, 78.3882,
86.9267

■ 72.1939, 78.3882,
86.9267

■ 65.5027, 74.9679,
85.3949

■ 79.8629, 82.3166,
88.5192

■ 59.7425, 72.0252,
83.9166


■ 84.9965, 84.9355,
90.0031


■ 54.8726, 69.5412,
82.4916


■ 85.2370, 85.0317,
91.2697


■ 50.8468, 67.4921,
81.1176


■ 85.4798, 85.1289,
92.5481

 47.6147, 65.8518,
79.7923


 85.7248, 85.2269,
93.8385


 45.1202, 64.5916,
78.5131


 85.9721, 85.3258,
95.1407


 43.3005, 63.6790,
77.2768

 86.2217, 85.4256,
96.4549

 42.0817, 63.0759,
76.0801

 86.4735, 85.5264,
97.7811

 41.3725, 62.7353,
74.9187

 86.7276, 85.6280,
99.1193

Harmonies

Analogous

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



72.2327, 78.3882, 83.3776



72.1939, 78.3882, 86.9267



72.7696, 78.3882, 90.1393

Triad

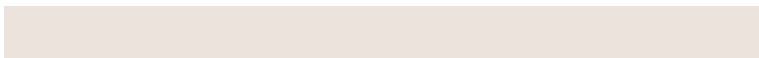
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1939, 78.3882, 86.9267



76.1592, 78.3882, 90.4613



75.2024, 78.3882, 78.9421

Complementary

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



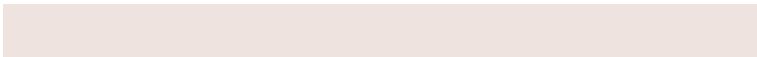
72.1939, 78.3882, 86.9267



71.1392, 72.4152, 77.2498

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.



76.2691, 78.3882, 80.7361



72.1939, 78.3882, 86.9267



76.8257, 78.3882, 87.3562

Square

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



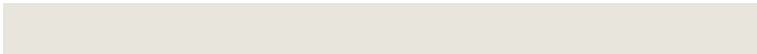
72.1939, 78.3882, 86.9267



75.0537, 78.3882, 92.2181



76.8662, 78.3882, 83.7953



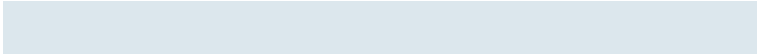
73.9603, 78.3882, 78.8344

Rectangle

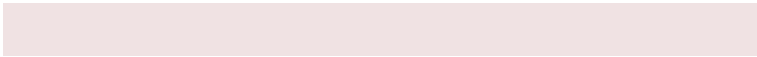
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1939, 78.3882, 86.9267



73.4281, 78.3882, 91.6309



76.8662, 78.3882, 83.7953



75.5937, 78.3882, 79.3656

Sweetspot

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



72.1961, 78.3915, 86.9284



93.1397, 99.0220, 108.5037



70.7775, 77.8645, 77.6299



19.9557, 21.2050, 23.2284



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

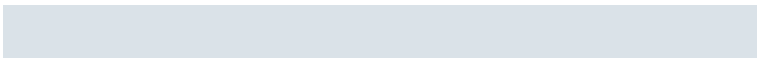
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1961, 78.3915, 86.9284



88.5798, 96.6882, 107.5256



70.7230, 75.2177, 87.1388



15.0376, 16.4594, 18.3315



22.8761, 34.7825, 41.4433



1.7039, 2.5757, 3.1333

Inverse Universe

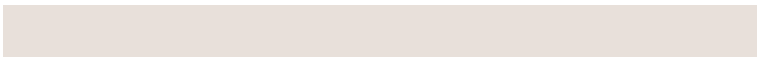
The Inverse Universe completely reimagines the original color for something new.



71.1392, 72.4152, 77.2498



87.0634, 88.1136, 93.6389



72.5473, 75.4423, 77.0691



14.7606, 14.8929, 15.7946



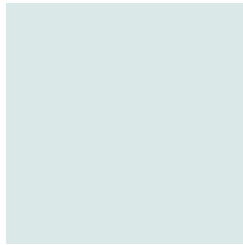
18.5464, 9.5528, 1.2402



1.3853, 0.7118, 0.1693

Previews

White Background



This preview shows how the XYZ color 72.1939, 78.3882, 86.9267 looks on a white background.

Color Contrast Check

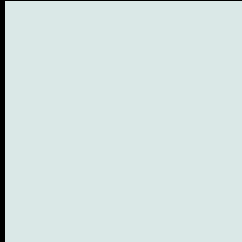
Large Text (above 18pt) WCAG AA × Fail

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 72.1939, 78.3882, 86.9267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

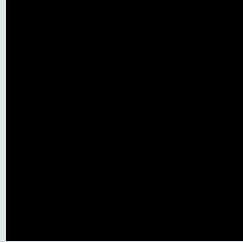
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

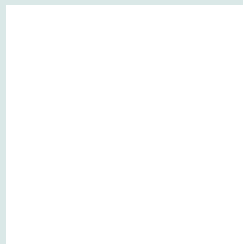
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1939, 78.3882, 86.9267

Background



This preview shows how black text looks on a background with the XYZ color 72.1939, 78.3882, 86.9267.



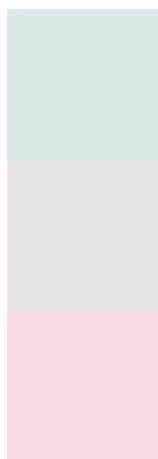
This preview shows how white text looks on a background with the XYZ color 72.1939, 78.3882,

86.9267.

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

72.1939, 78.3882, 86.9267

Protanopia

75.4905, 78.4676, 85.2957

Deuteranopia

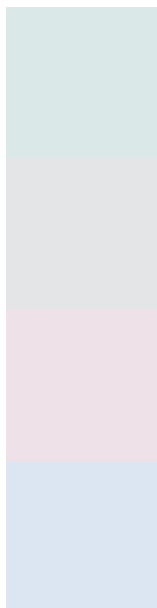
79.8962, 78.2655, 87.9866



Tritanopia

74.7814, 78.1881, 99.9573

Trichromacy



Original Color

72.1939, 78.3882, 86.9267

Protanomaly

74.2971, 78.2458, 86.0500

Deuteranomaly

77.0217, 78.3961, 87.4164

Tritanomaly

73.8390, 78.2201, 95.2107

Monochromacy



Original Color

72.1939, 78.3882, 86.9267

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.9026, 77.5431, 85.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1939, 78.3882, 86.9267 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(218, 232, 231) looks like.

```
.text, #text, p{  
    color:rgb(218, 232, 231)  
}
```

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(218, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 232, 231) }
```

Border

The CSS property to change the border of an element to XYZ 72.1939, 78.3882, 86.9267 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(218, 232, 231) }
```


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

```
.border{ border-color:rgb(218, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(218, 232,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1939, 78.3882, 86.9267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 232, 231) }
```

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

```
.background{ background-color: rgb(218,  
232, 231) }
```

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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