

Converting Colors

XYZ(70.1164, 74.6304, 87.6013)

Have a look what the booklet for
XYZ(70.1164, 74.6304, 87.6013)
contains.

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Color

**XYZ(70.2232, 74.8748,
87.8419)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E2E9
RGB	216, 226, 233
RGB Percent	85%, 89%, 91%
CMY	0.1529, 0.1137, 0.0863
CMYK	0.07, 0.03, 0.00, 0.09
HSL	205°, 28%, 88%
HSV	205°, 7%, 91%
XYZ	70.2232, 74.8748, 87.8419
YIQ	223.8080, -8.2070, 0.0570

Conversions

Conversions Part 2

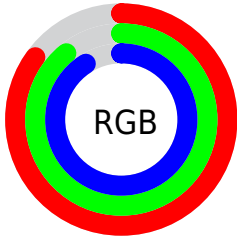
Format	Color
R _Y B	216, 222, 233
Decimal	14213865
CIE Lab	89.33, -2.01, -4.57
CIE LCh	89, 4.998, 246.230
Yxy	74.8748, 0.3015, 0.3214
Android (android.graphics.Color)	4292403945 (0xFFD8E2E9)
YUV	223.8080, 4.5317, -6.8476
Hunter-Lab	86.5302, -6.5671, 0.3824

Details

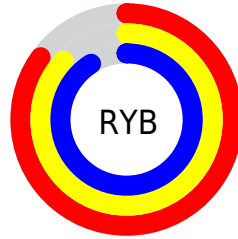
The XYZ color **70.2232, 74.8748, 87.8419** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3869, 75.0562, 75.6390**, and the grayscale version is **70.6891, 74.3705, 80.9894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1967, 39.8772, 47.3316** is the 20% darker color. If you saturate the color by 10%, you get **61.2870, 66.5066, 86.6988**, and if you desaturate by 10%, it is **80.2857, 84.0443, 89.0826**.

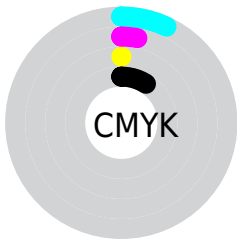
Distribution



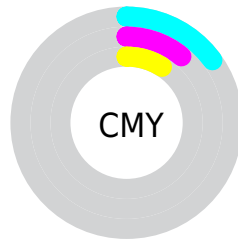
- Red (85%)
- Green (89%)
- Blue (91%)



- Red (85%)
- Yellow (87%)
- Blue (91%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2232, 74.8748, 87.8419 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 70.2232, 74.8748, 87.8419 by changing the saturation by 10% instead.

■ 70.2232, 74.8748,
87.8419

■ 70.2232, 74.8748,
87.8419

450.5875,
477.4871, 541.3732

■ 51.9888, 55.5103,
65.6285

118.5515,
126.1351, 146.2462

■ 37.2204, 39.8105,
47.5164

149.3761,
158.7998, 183.2743

■ 25.5526, 27.3908,
33.0868

185.1282,
196.6666, 226.0777

■ 16.6202, 17.8669,
21.9213

226.1731,
240.1200, 275.0749

■ 10.0577, 10.8545,
13.6013

272.8761,
289.5443, 330.6845

■ 5.4998, 5.9691,
7.7083

325.6026,

■ 2.5811, 2.8263,

345.3240, 393.3251

3.8238

384.7179,
407.8435, 463.4152

■ 0.9363, 1.0417,
1.5292

■ 0.0000, 0.0000,
0.2395

■ 70.2232, 74.8748,
87.8419

■ 70.2232, 74.8748,
87.8419

■ 61.2870, 66.5066,
86.6988

■ 80.2857, 84.0443,
89.0826

■ 53.4274, 58.9043,
85.6457

■ 88.6563, 92.5594,
90.2850

■ 46.6004, 52.0437,
84.6813

■ 91.6359, 98.5187,
91.2782

■ 40.7562, 45.8956,
83.8026

■ 91.7082, 98.6633,
91.3023

■ 35.8407, 40.4281,
83.0063

■ 31.7940, 35.6067,
82.2890

■ 28.5486, 31.3922,
81.6466

■ 26.0254, 27.7401,
81.0746

■ 24.1214, 24.5927,
80.5675

Harmonies

Analogous

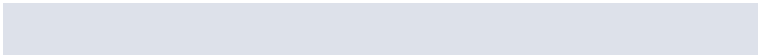
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2873, 74.8748, 85.5689



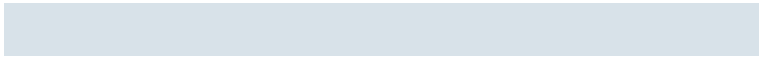
70.2232, 74.8748, 87.8419



71.4216, 74.8748, 88.4014

Triad

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



70.2232, 74.8748, 87.8419



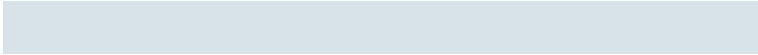
73.5281, 74.8748, 80.7977



69.7863, 74.8748, 76.2164

Complementary

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



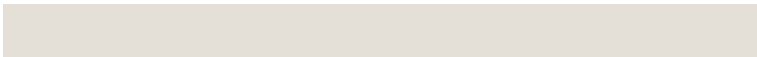
70.2232, 74.8748, 87.8419



72.3869, 75.0562, 75.6390

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.



70.9115, 74.8748, 75.0165



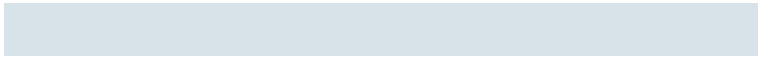
70.2232, 74.8748, 87.8419



73.0788, 74.8748, 77.6124

Square

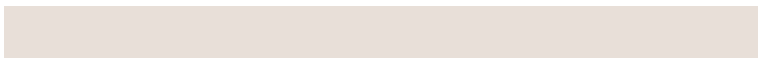
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2232, 74.8748, 87.8419



73.3387, 74.8748, 84.2690



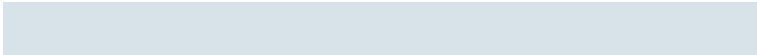
72.1177, 74.8748, 75.5202



69.0371, 74.8748, 78.8431

Rectangle

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



70.2232, 74.8748, 87.8419



72.2100, 74.8748, 87.7136



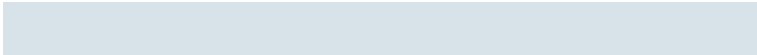
72.1177, 74.8748, 75.5202



70.1326, 74.8748, 75.6363

Sweetspot

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



70.2254, 74.8780, 87.8436



92.5326, 97.7136, 108.5914



70.7513, 78.1949, 81.0361



19.8322, 20.9388, 23.2463



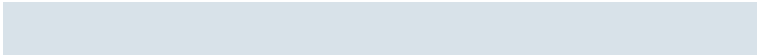
0.0000, 0.0000, 0.0000



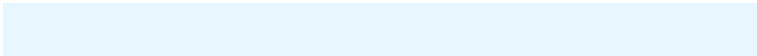
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2254, 74.8780, 87.8436



84.1654, 90.0251, 107.5483



68.0217, 70.4707, 87.1090



14.9679, 16.0222, 19.2259



13.5552, 13.7574, 45.6840



1.1588, 1.2690, 3.6187

Inverse Universe

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



71.8893, 71.9278, 82.0497



86.6770, 85.6279, 98.7903



74.6601, 79.6026, 76.3968



15.4373, 15.2028, 17.5883



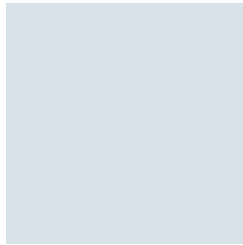
21.6973, 10.8816, 14.7394



1.7514, 0.8735, 1.4082

Previews

White Background



This preview shows how the XYZ color 70.2232, 74.8748, 87.8419 looks on a white background.

Color Contrast Check

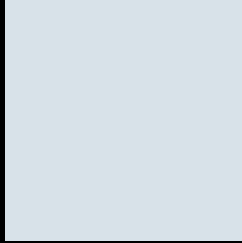
Large Text (above 18pt) WCAG AA × Fail

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 70.2232, 74.8748, 87.8419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

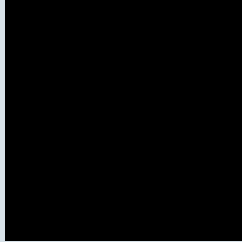
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

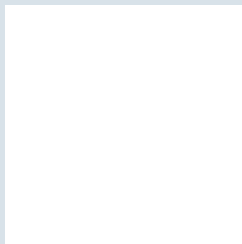
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2232, 74.8748, 87.8419

Background



This preview shows how black text looks on a background with the XYZ color 70.2232, 74.8748, 87.8419.



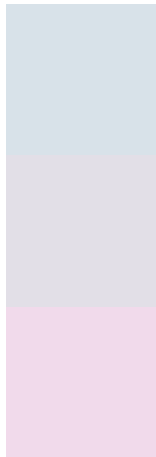
This preview shows how white text looks on a background with the XYZ color 70.2232, 74.8748, 87.8419.

87.8419.

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

70.2232, 74.8748, 87.8419

Protanopia

72.1755, 74.7136, 86.2184

Deuteranopia

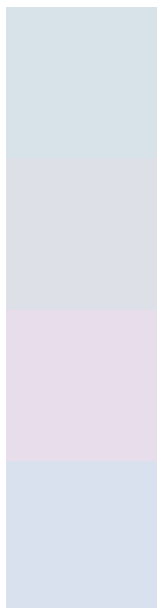
76.3424, 74.8417, 89.0195



Tritanopia

71.8657, 75.1667, 94.7253

Trichromacy



Original Color

70.2232, 74.8748, 87.8419

Protanomaly

71.3453, 74.6671, 86.9958

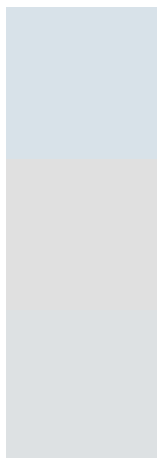
Deuteranomaly

73.9864, 74.8092, 88.3820

Tritanomaly

71.1205, 74.8341, 92.3573

Monochromacy



Original Color

70.2232, 74.8748, 87.8419

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.6091, 74.7686, 83.3833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2232, 74.8748, 87.8419 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(216, 226, 233) looks like.

```
.text, #text, p{  
    color:rgb(216, 226, 233)  
}
```

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(216, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 226, 233) }
```

Border

The CSS property to change the border of an element to XYZ 70.2232, 74.8748, 87.8419 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(216, 226, 233) }
```


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

```
.border{ border-color:rgb(216, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(216, 226,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2232, 74.8748, 87.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 226, 233) }
```

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

```
.background{ background-color: rgb(216,  
226, 233) }
```

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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