

Converting Colors

XYZ(74.4335, 77.6770, 89.3647)

Have a look what the booklet for
XYZ(74.4335, 77.6770, 89.3647)
contains.

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Color

**XYZ(74.7337, 77.9789,
89.7098)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E4EB
RGB	228, 228, 235
RGB Percent	89%, 89%, 92%
CMY	0.1059, 0.1059, 0.0784
CMYK	0.03, 0.03, 0.00, 0.08
HSL	240°, 15%, 91%
HSV	240°, 3%, 92%
XYZ	74.7337, 77.9789, 89.7098
YIQ	228.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

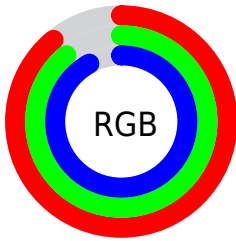
Format	Color
R_{YB}	228, 228, 235
Decimal	15000811
CIE Lab	90.77, 1.27, -3.41
CIE LCh	91, 3.639, 290.491
Yxy	77.9789, 0.3083, 0.3217
Android (android.graphics.Color)	4293190891 (0xFFE4E4EB)
YUV	228.7980, 3.0576, -0.6998
Hunter-Lab	88.3057, -3.4691, 1.5812

Details

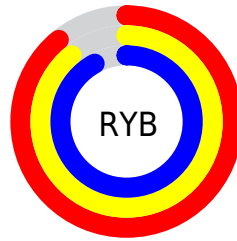
The XYZ color **74.7337, 77.9789, 89.7098** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.9731, 82.6795, 85.2492**, and the grayscale version is **74.3090, 78.1789, 85.1368**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3138, 42.0261, 48.6349** is the 20% darker color. If you saturate the color by 10%, you get **61.7512, 62.3386, 87.3763**, and if you desaturate by 10%, it is **89.6119, 95.9039, 92.3867**.

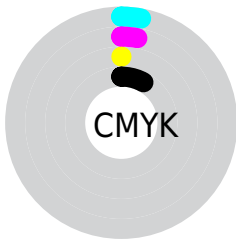
Distribution



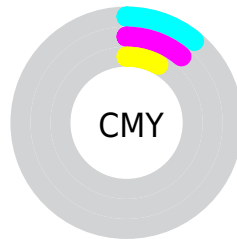
- Red (89%)
- Green (89%)
- Blue (92%)



- Red (89%)
- Yellow (89%)
- Blue (92%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7337, 77.9789, 89.7098 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 74.7337, 77.9789, 89.7098 by changing the saturation by 10% instead.

■ 74.7337, 77.9789,
89.7098

■ 74.7337, 77.9789,
89.7098

466.0131,
488.0952, 547.6321

■ 55.6882, 58.0566,
67.1676

124.9253,
130.5204, 148.8672

■ 40.1890, 41.8542,
48.7584

156.8020,
163.9084, 186.3195

■ 27.8708, 28.9871,
34.0636

193.6865,
202.5538, 229.5790

■ 18.3682, 19.0711,
22.6647

235.9441,
246.8409, 279.0641

■ 11.3160, 11.7217,
14.1432

283.9402,
297.1543, 335.1935

■ 6.3486, 6.5544,
8.0804

338.0402,

■ 3.1009, 3.1851,

353.8781, 398.3855

4.0579

398.6094,
417.3970, 469.0589

■ 1.2073, 1.2291,
1.6572

■ 0.1121, 0.0853,
0.3311

■ 74.7337, 77.9789,
89.7098

■ 74.7337, 77.9789,
89.7098

■ 61.7512, 62.3386,
87.3763

■ 89.6119, 95.9039,
92.3867

■ 50.5818, 48.8817,
85.3676

■ 91.9956, 98.7782,
92.8159

■ 41.1469, 37.5142,
83.6707

■ 33.3597, 28.1314,
82.2701

■ 27.1255, 20.6195,
81.1487

■ 22.3405, 14.8532,
80.2879

■ 18.8879, 10.6920,
79.6667

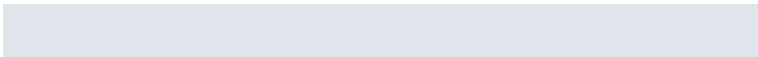
■ 16.6329, 7.9737,
79.2609

■ 15.4124, 6.5018,
79.0411

Harmonies

Analogous

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



73.8266, 77.9789, 89.9687



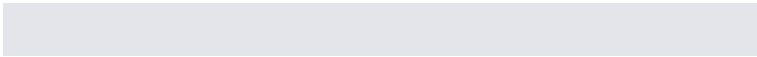
74.7337, 77.9789, 89.7098



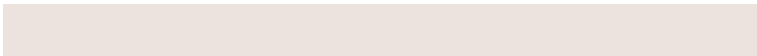
75.4812, 77.9789, 88.1493

Triad

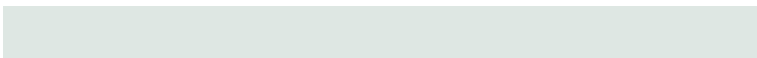
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7337, 77.9789, 89.7098



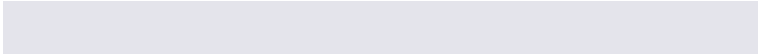
75.2407, 77.9789, 81.0803



72.3963, 77.9789, 84.0767

Complementary

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



74.7337, 77.9789, 89.7098



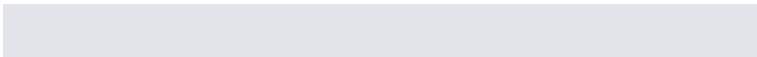
77.9731, 82.6795, 85.2492

Split Complementary

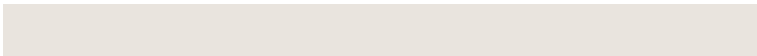
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7685, 77.9789, 81.7428



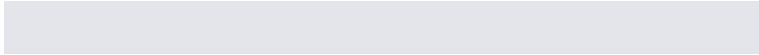
74.7337, 77.9789, 89.7098



74.4074, 77.9789, 80.0364

Square

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



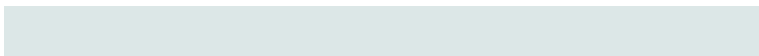
74.7337, 77.9789, 89.7098



75.7756, 77.9789, 83.1555



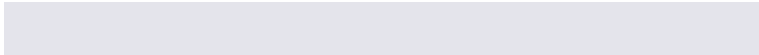
73.5029, 77.9789, 80.2764



72.4820, 77.9789, 86.6804

Rectangle

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



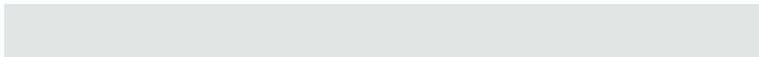
74.7337, 77.9789, 89.7098



75.7860, 77.9789, 86.5983



73.5029, 77.9789, 80.2764



72.4719, 77.9789, 83.2354

Sweetspot

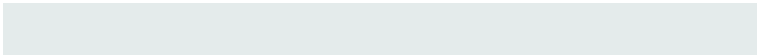
The Sweet Spot groups the original color and five complimentary colors.



74.7359, 77.9822, 89.7115



93.3104, 97.9042, 108.5872



76.6830, 81.9033, 90.2774



19.9906, 20.9776, 23.2454



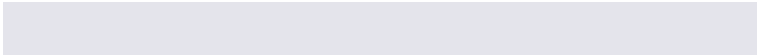
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



74.7359, 77.9822, 89.7115



88.2299, 91.7835, 107.6735



75.8189, 78.5391, 89.7619



15.5713, 16.1639, 19.2215



8.3466, 3.3402, 43.9478



0.6556, 0.2627, 3.4510

Inverse Universe

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



76.0097, 78.7519, 84.5971



90.2836, 93.0245, 99.4274



76.8675, 82.1111, 85.1977



16.0019, 16.4241, 17.4925



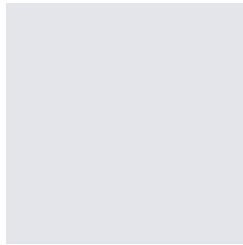
19.0683, 9.8300, 0.8950



1.4974, 0.7719, 0.0709

Previews

White Background



This preview shows how the XYZ color 74.7337, 77.9789, 89.7098 looks on a white background.

Color Contrast Check

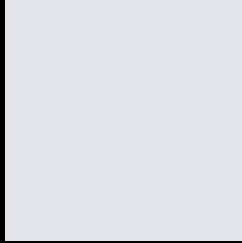
Large Text (above 18pt) WCAG AA × Fail

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 74.7337, 77.9789, 89.7098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

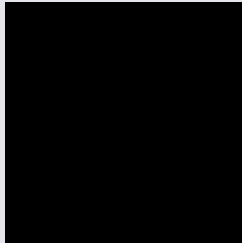
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

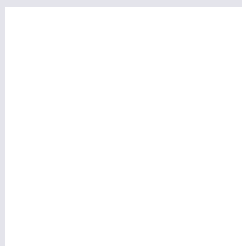
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.7337, 77.9789, 89.7098

Background



This preview shows how black text looks on a background with the XYZ color 74.7337, 77.9789, 89.7098.



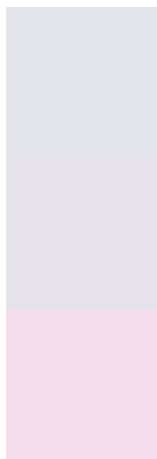
This preview shows how white text looks on a background with the XYZ color 74.7337, 77.9789,

89.7098.

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

74.7337, 77.9789, 89.7098

Protanopia

75.4195, 77.9253, 89.6633

Deuteranopia

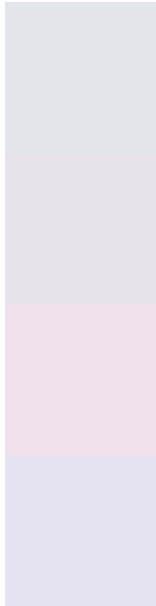
79.6194, 78.0728, 90.2301



Tritanopia

76.1113, 78.1278, 96.6566

Trichromacy



Original Color

74.7337, 77.9789, 89.7098

Protanomaly

75.0976, 77.7593, 89.6482

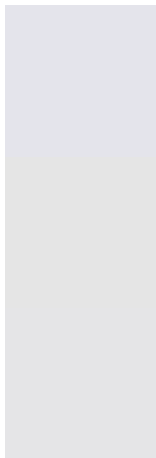
Deuteranomaly

77.7312, 77.8927, 90.2948

Tritanomaly

75.6594, 77.9471, 94.2767

Monochromacy



Original Color

74.7337, 77.9789, 89.7098

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.7562, 78.4662, 86.8067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7337, 77.9789, 89.7098 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(228, 228, 235) looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 235)  
}
```

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(228, 228, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 235) }
```

Border

The CSS property to change the border of an element to XYZ 74.7337, 77.9789, 89.7098 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(228, 228, 235) }
```


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

```
.border{ border-color:rgb(228, 228, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 235);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7337, 77.9789, 89.7098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 235) }
```

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

```
.background{ background-color: rgb(228,  
228, 235) }
```

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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