

Converting Colors

XYZ(72.8190, 77.6938, 84.1957)

Have a look what the booklet for
XYZ(72.8190, 77.6938, 84.1957)
contains.

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Color

**XYZ(72.7634, 77.4874,
84.5203)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E5E4
RGB	224, 229, 228
RGB Percent	88%, 90%, 89%
CMY	0.1216, 0.1019, 0.1059
CMYK	0.02, 0.00, 0.00, 0.10
HSL	168°, 9%, 89%
HSV	168°, 2%, 90%
XYZ	72.7634, 77.4874, 84.5203
YIQ	227.3910, -2.6590, -1.3710

Conversions

Conversions Part 2

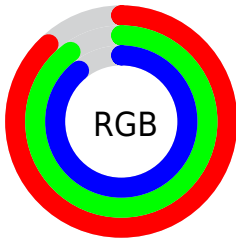
Format	Color
R_{YB}	224, 227, 229
Decimal	14738916
CIE Lab	90.55, -1.85, -0.11
CIE LCh	91, 1.852, 183.360
Yxy	77.4874, 0.3099, 0.3301
Android (android.graphics.Color)	4292928996 (0xFFE0E5E4)
YUV	227.3910, 0.3002, -2.9739
Hunter-Lab	88.0269, -6.4983, 4.6907

Details

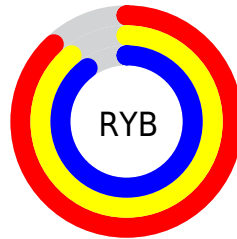
The XYZ color **72.7634, 77.4874, 84.5203** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5623, 75.4076, 81.9687**, and the grayscale version is **73.2994, 77.1167, 83.9801**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0411, 41.7243, 45.5311** is the 20% darker color. If you saturate the color by 10%, you get **65.5097, 73.8229, 80.8968**, and if you desaturate by 10%, it is **80.9944, 81.6581, 88.2812**.

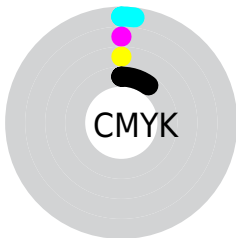
Distribution



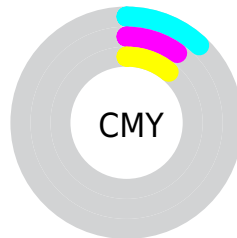
- Red (88%)
- Green (90%)
- Blue (89%)



- Red (88%)
- Yellow (89%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7634, 77.4874, 84.5203 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 72.7634, 77.4874, 84.5203 by changing the saturation by 10% instead.

■ 72.7634, 77.4874,
84.5203

■ 72.7634, 77.4874,
84.5203

459.3109,
486.4242, 530.1426

■ 54.0702, 57.6530,
62.8972

122.1462,
129.8273, 141.5710

■ 38.8887, 41.5297,
45.3176

153.5665,
163.1015, 177.8357

■ 26.8535, 28.7332,
31.3629

189.9600,
201.6245, 219.8179

■ 17.5992, 18.8791,
20.6146

231.6918,
245.7806, 267.9364

■ 10.7606, 11.5830,
12.6541

279.1275,
295.9542, 322.6095

■ 5.9722, 6.4604,
7.0629

332.6323,

■ 2.8687, 3.1270,

352.5298, 384.2559

3.4224

392.5717,
415.8917, 453.2941

■ 1.0847, 1.1984,
1.3142

■ 0.0123, 0.0604,
0.0733

■ 72.7634, 77.4874,
84.5203

■ 72.7634, 77.4874,
84.5203

■ 65.5097, 73.8229,
80.8968

■ 80.9944, 81.6581,
88.2812

■ 59.1885, 70.6350,
77.4033


■ 84.5747, 83.4272,
91.9119


■ 53.7616, 67.9062,
74.0386


■ 85.2554, 83.6995,
95.4968


■ 49.1853, 65.6139,
70.8003


■ 85.9536, 83.9787,
99.1730

 45.4122, 63.7338,
67.6852


 86.6691, 84.2650,
102.9411

 42.3903, 62.2392,
64.6904

 87.3108, 84.5216,
106.3203

 40.0614, 61.0999,
61.8123

 38.3585, 60.2814,
59.0470

 37.2009, 59.7423,
56.3902

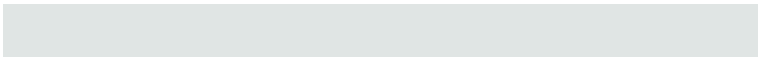
Harmonies

Analogous

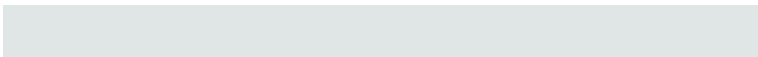
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8558, 77.4874, 83.2314



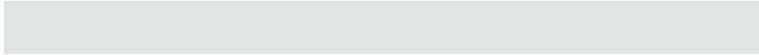
72.7634, 77.4874, 84.5203



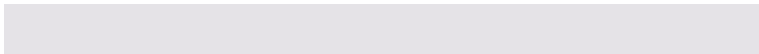
72.9076, 77.4874, 85.7819

Triad

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



72.7634, 77.4874, 84.5203



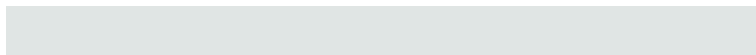
74.1406, 77.4874, 86.5203



74.0497, 77.4874, 82.1098

Complementary

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



72.7634, 77.4874, 84.5203



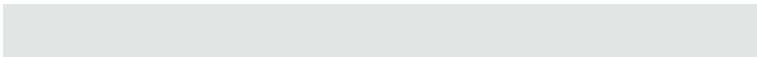
72.5623, 75.4076, 81.9687

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.



74.3963, 77.4874, 82.9749



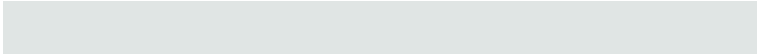
72.7634, 77.4874, 84.5203



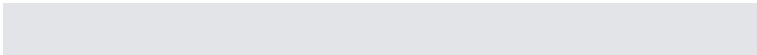
74.4489, 77.4874, 85.5201

Square

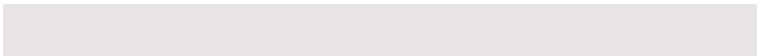
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



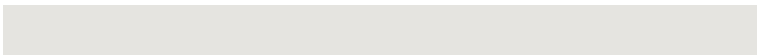
72.7634, 77.4874, 84.5203



73.7017, 77.4874, 86.9442



74.5427, 77.4874, 84.2211



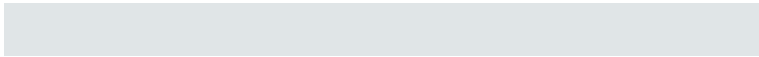
73.5972, 77.4874, 81.8483

Rectangle

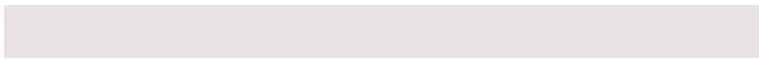
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



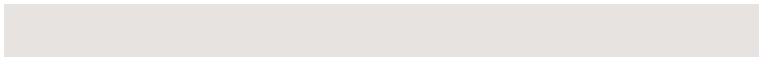
72.7634, 77.4874, 84.5203



73.1189, 77.4874, 86.4351



74.5427, 77.4874, 84.2211



74.1826, 77.4874, 82.3392

Sweetspot

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



72.7656, 77.4907, 84.5220



94.0358, 99.4867, 108.4232



72.5537, 77.4449, 81.6465



20.1382, 21.2996, 23.2121



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

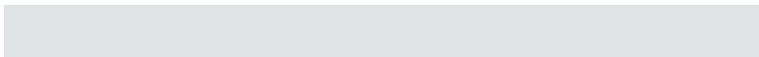
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7656, 77.4907, 84.5220



92.0452, 98.4794, 107.4747



72.5147, 76.7652, 85.1280



15.5801, 16.7408, 18.2788



20.9545, 34.0139, 31.3245



1.5800, 2.5261, 2.4810

Inverse Universe

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



72.5623, 75.4076, 81.9687



91.6888, 94.8282, 102.9994



72.8083, 76.1183, 81.3770



15.5043, 15.9638, 17.3264



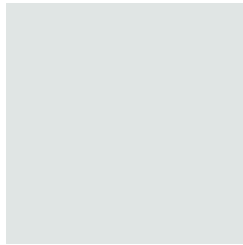
18.7906, 9.6505, 2.5263



1.4213, 0.7262, 0.3591

Previews

White Background



This preview shows how the XYZ color 72.7634, 77.4874, 84.5203 looks on a white background.

Color Contrast Check

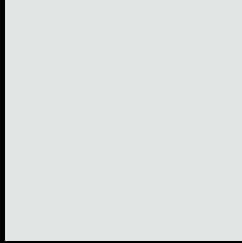
Large Text (above 18pt) WCAG AA × Fail

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 72.7634, 77.4874, 84.5203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

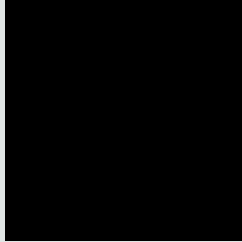
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

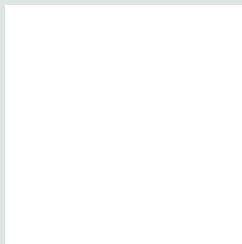
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7634, 77.4874, 84.5203

Background



This preview shows how black text looks on a background with the XYZ color 72.7634, 77.4874, 84.5203.

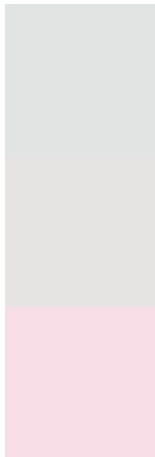


This preview shows how white text looks on a background with the XYZ color 72.7634, 77.4874,

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

72.7634, 77.4874, 84.5203

Protanopia

74.6129, 77.6400, 83.7265

Deuteranopia

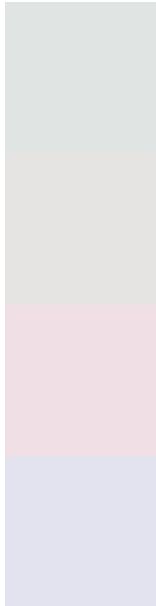
79.2063, 77.5658, 85.6600



Tritanopia

75.2040, 77.2553, 96.5360

Trichromacy



Original Color

72.7634, 77.4874, 84.5203

Protanomaly

73.9216, 77.6909, 83.7728

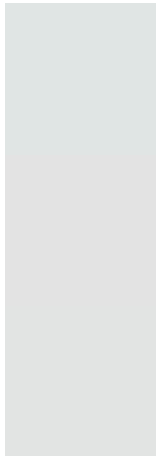
Deuteranomaly

76.7337, 77.4937, 85.0422

Tritanomaly

74.2657, 77.2800, 91.8912

Monochromacy



Original Color

72.7634, 77.4874, 84.5203

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.9726, 77.2016, 83.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7634, 77.4874, 84.5203 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(224, 229, 228) looks like.

```
.text, #text, p{  
    color:rgb(224, 229, 228)  
}
```

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(224, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 229, 228) }
```

Border

The CSS property to change the border of an element to XYZ 72.7634, 77.4874, 84.5203 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(224, 229, 228) }
```


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

```
.border{ border-color:rgb(224, 229, 228) }
```

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

Here you see how a box with a 4 pixel rgb(224, 229, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(224, 229,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7634, 77.4874, 84.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 229, 228) }
```

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

```
.background{ background-color: rgb(224,  
229, 228) }
```

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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