

Converting Colors

XYZ(72.7219, 77.9257, 83.1034)

Have a look what the booklet for
XYZ(72.7219, 77.9257, 83.1034)
contains.

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Color

**XYZ(72.7648, 77.9319,
83.1588)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E6E2
RGB	224, 230, 226
RGB Percent	88%, 90%, 89%
CMY	0.1216, 0.0980, 0.1137
CMYK	0.03, 0.00, 0.02, 0.10
HSL	140°, 11%, 89%
HSV	140°, 3%, 90%
XYZ	72.7648, 77.9319, 83.1588
YIQ	227.7500, -2.2920, -2.5160

Conversions

Conversions Part 2

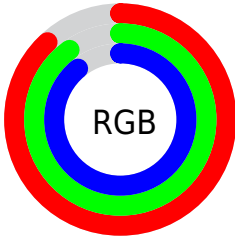
Format	Color
R_{YB}	224, 229, 230
Decimal	14739170
CIE Lab	90.75, -2.72, 1.23
CIE LCh	91, 2.989, 155.613
Yxy	77.9319, 0.3112, 0.3332
Android (android.graphics.Color)	4292929250 (0xFFE0E6E2)
YUV	227.7500, -0.8628, -3.2887
Hunter-Lab	88.2790, -7.3581, 5.9442

Details

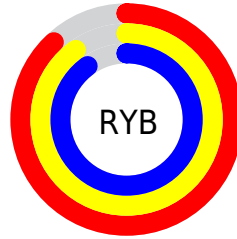
The XYZ color **72.7648, 77.9319, 83.1588** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.2953, 75.7378, 84.1585**, and the grayscale version is **73.5693, 77.4007, 84.2893**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0428, 42.0352, 44.5839** is the 20% darker color. If you saturate the color by 10%, you get **64.1017, 73.7005, 72.2541**, and if you desaturate by 10%, it is **82.5849, 82.7424, 95.1038**.

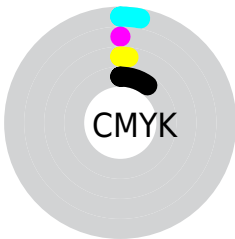
Distribution



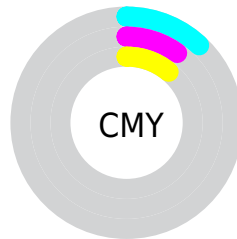
- Red (88%)
- Green (90%)
- Blue (89%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7648, 77.9319, 83.1588 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 72.7648, 77.9319, 83.1588 by changing the saturation by 10% instead.

■ 72.7648, 77.9319,
83.1588

■ 72.7648, 77.9319,
83.1588

459.3157,
487.9355, 525.5005

■ 54.0714, 58.0180,
61.7798

122.1482,
130.4541, 139.6491

■ 38.8896, 41.8232,
44.4202

153.5688,
163.8313, 175.5974

■ 26.8542, 28.9628,
30.6613

189.9626,
202.4650, 217.2393

■ 17.5998, 19.0527,
20.0848

231.6949,
246.7396, 264.9932

■ 10.7610, 11.7084,
12.2720

279.1309,
297.0396, 319.2778

■ 5.9724, 6.5454,
6.8044

332.6362,

■ 2.8688, 3.1795,

353.7493, 380.5115

3.2635

392.5760,
417.2531, 449.1129

■ 1.0848, 1.2261,
1.2307

■ 0.0123, 0.0829,
0.0040

■ 72.7648, 77.9319,
83.1588

■ 72.7648, 77.9319,
83.1588

■ 64.1017, 73.7005,
72.2541

■ 82.5849, 82.7424,
95.1038

■ 56.5457, 70.0165,
62.3569

■ 87.5883, 85.0766,
106.4128

■ 50.0527, 66.8599,
53.4401

■ 44.5735, 64.2059,
45.4734

■ 40.0544, 62.0276,
38.4251

■ 36.4370, 60.2954,
32.2616

■ 33.6558, 58.9764,
26.9472

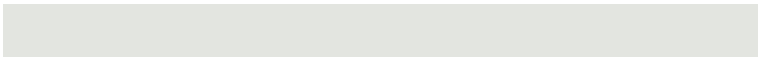
■ 31.6363, 58.0329,
22.4437

■ 30.2891, 57.4196,
18.7097

Harmonies

Analogous

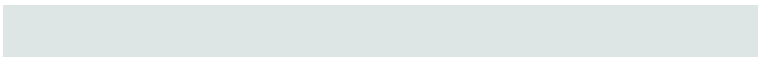
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2344, 77.9319, 81.5374



72.7648, 77.9319, 83.1588



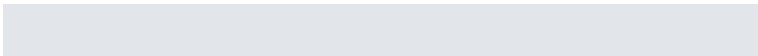
72.6444, 77.9319, 85.2596

Triad

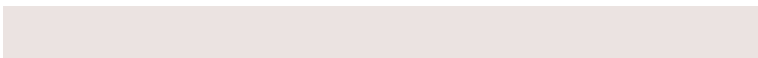
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7648, 77.9319, 83.1588



74.2132, 77.9319, 89.0363



75.2518, 77.9319, 82.4696

Complementary

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



72.7648, 77.9319, 83.1588



73.2953, 75.7378, 84.1585

Split Complementary

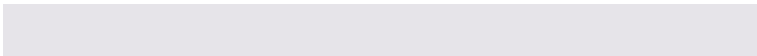
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5180, 77.9319, 84.4508



72.7648, 77.9319, 83.1588



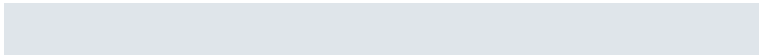
74.9158, 77.9319, 88.2605

Square

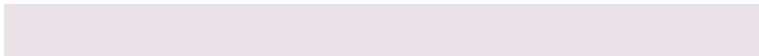
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



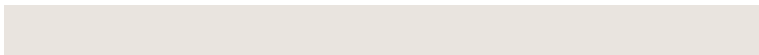
72.7648, 77.9319, 83.1588



73.4774, 77.9319, 88.6763



75.3946, 77.9319, 86.5733



74.6696, 77.9319, 81.1443

Rectangle

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



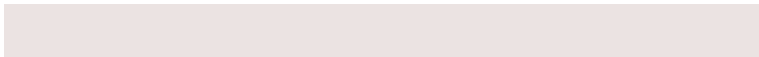
72.7648, 77.9319, 83.1588



72.7777, 77.9319, 86.6545



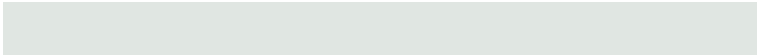
75.3946, 77.9319, 86.5733



75.3814, 77.9319, 83.0797

Sweetspot

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



72.7670, 77.9352, 83.1605



93.8454, 99.4105, 107.4208



73.7810, 78.4895, 81.7836



20.0995, 21.2842, 23.0081



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

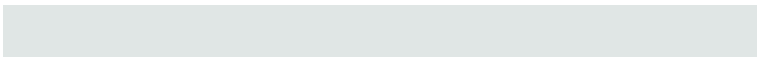
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7670, 77.9352, 83.1605



91.4807, 98.2536, 104.5023



73.1688, 78.0960, 85.2766



15.4599, 16.6927, 17.6458



16.8216, 32.3607, 9.5607



1.2849, 2.4081, 0.9270

Inverse Universe

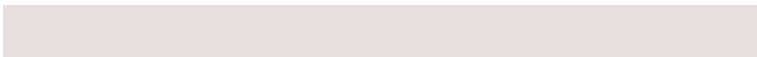
The Inverse Universe completely reimagines the original color for something new.



73.2953, 75.7378, 84.1585



92.2503, 95.0527, 105.9560



72.8955, 75.5779, 82.0534



15.6237, 16.0116, 17.9552



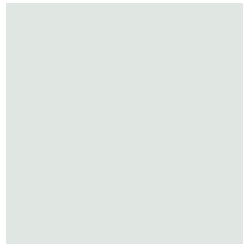
21.8070, 10.8570, 18.4105



1.6541, 0.8194, 1.5851

Previews

White Background



This preview shows how the XYZ color 72.7648, 77.9319, 83.1588 looks on a white background.

Color Contrast Check

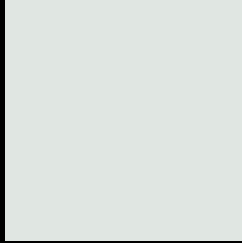
Large Text (above 18pt) WCAG AA × Fail

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 72.7648, 77.9319, 83.1588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

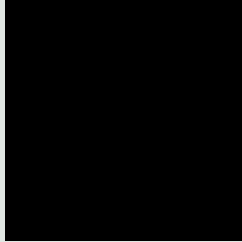
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

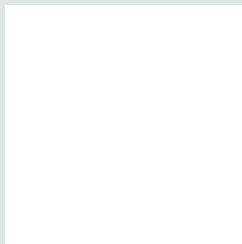
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7648, 77.9319, 83.1588

Background



This preview shows how black text looks on a background with the XYZ color 72.7648, 77.9319, 83.1588.

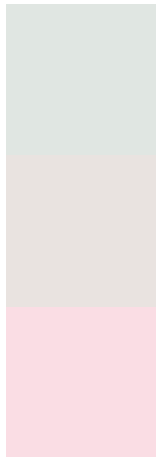


This preview shows how white text looks on a background with the XYZ color 72.7648, 77.9319,

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

72.7648, 77.9319, 83.1588

Protanopia

74.5279, 77.6436, 81.5797

Deuteranopia

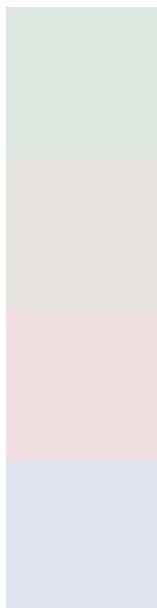
79.2844, 77.6383, 84.2057



Tritanopia

75.6291, 77.8616, 97.4289

Trichromacy



Original Color

72.7648, 77.9319, 83.1588

Protanomaly

73.9671, 77.7460, 82.3422

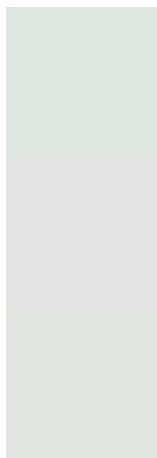
Deuteranomaly

76.7964, 77.5581, 83.5957

Tritanomaly

74.5400, 77.8286, 91.9827

Monochromacy



Original Color

72.7648, 77.9319, 83.1588

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.5630, 77.9156, 83.8351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7648, 77.9319, 83.1588 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, 230, 226) looks like.

```
.text, #text, p{  
    color:rgb(224, 230, 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(224, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 230, 226) }
```

Border

The CSS property to change the border of an element to XYZ 72.7648, 77.9319, 83.1588 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, 230, 226) }
```


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

```
.border{ border-color:rgb(224, 230, 226) }
```

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

Here you see how a box with a 4 pixel rgb(224, 230, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 230,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7648, 77.9319, 83.1588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 230, 226) }
```

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

```
.background{ background-color: rgb(224,  
230, 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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