

Converting Colors

XYZ(72.5666, 77.8151, 80.3143)

Have a look what the booklet for
XYZ(72.5666, 77.8151, 80.3143)
contains.

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Color

**XYZ(72.5330, 77.8751,
80.3157)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E6DE
RGB	225, 230, 222
RGB Percent	88%, 90%, 87%
CMY	0.1176, 0.0980, 0.1294
CMYK	0.02, 0.00, 0.03, 0.10
HSL	98°, 14%, 89%
HSV	98°, 3%, 90%
XYZ	72.5330, 77.8751, 80.3157
YIQ	227.5930, -0.4120, -3.5480

Conversions

Conversions Part 2

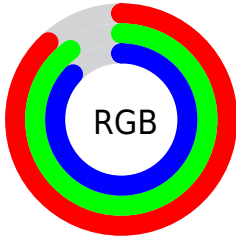
Format	Color
R _Y B	222, 230, 227
Decimal	14804702
CIE Lab	90.72, -3.10, 3.30
CIE LCh	91, 4.524, 133.207
Yxy	77.8751, 0.3144, 0.3375
Android (android.graphics.Color)	4292994782 (0xFFE1E6DE)
YUV	227.5930, -2.7573, -2.2741
Hunter-Lab	88.2469, -7.7170, 7.8115

Details

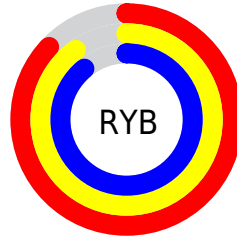
The XYZ color **72.5330, 77.8751, 80.3157** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.0856, 74.2886, 85.4067**, and the grayscale version is **73.4671, 77.2931, 84.1722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8826, 41.9960, 42.6159** is the 20% darker color. If you saturate the color by 10%, you get **65.3631, 74.5133, 64.9710**, and if you desaturate by 10%, it is **80.5055, 81.6064, 97.8964**.

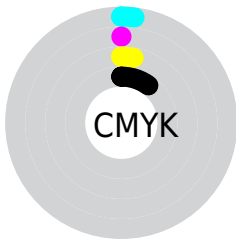
Distribution



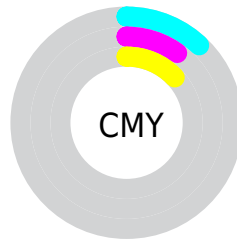
- Red (88%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (89%)



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



- Cyan (12%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5330, 77.8751, 80.3157 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 72.5330, 77.8751, 80.3157 by changing the saturation by 10% instead.

■ 72.5330, 77.8751,
80.3157

■ 72.5330, 77.8751,
80.3157

458.5236,
487.7425, 515.7309

■ 53.8812, 57.9714,
59.4505

121.8207,
130.3740, 135.6249

■ 38.7370, 41.7856,
42.5535

153.1874,
163.7380, 170.9060

■ 26.7350, 28.9335,
29.2061

189.5230,
202.3576, 211.8294

■ 17.5098, 19.0305,
18.9899

231.1930,
246.6171, 258.8137

■ 10.6962, 11.6923,
11.4862

278.5627,
296.9010, 312.2775

■ 5.9287, 6.5345,
6.2766

331.9974,

■ 2.8420, 3.1728,

353.5936, 372.6393

2.9425

391.8626,
417.0793, 440.3176

■ 1.0708, 1.2226,
1.0654

■ 0.0005, 0.0800,
0.0000

■ 72.5330, 77.8751,
80.3157

■ 72.5330, 77.8751,
80.3157

■ 65.3631, 74.5133,
64.9710

■ 80.5055, 81.6064,
97.8964

■ 58.9630, 71.4996,
51.7677

■ 87.1338, 84.8423,
106.3915

■ 53.3072, 68.8250,
40.6119

■ 87.5883, 85.0766,
106.4128

■ 48.3663, 66.4766,
31.4010

■ 44.1087, 64.4406,
24.0231

■ 40.5001, 62.7020,
18.3553

■ 37.5028, 61.2444,
14.2593

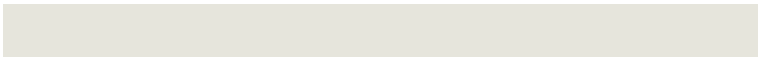
■ 35.0743, 60.0494,
11.5756

■ 33.1650, 59.0955,
10.1104

Harmonies

Analogous

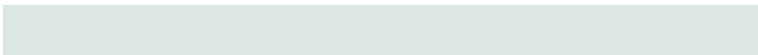
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5202, 77.8751, 78.8490



72.5330, 77.8751, 80.3157



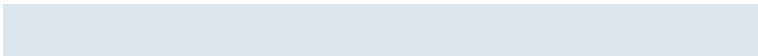
71.9471, 77.8751, 82.9988

Triad

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



72.5330, 77.8751, 80.3157



73.3889, 77.8751, 90.9218



76.1642, 77.8751, 83.3720

Complementary

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



72.5330, 77.8751, 80.3157



72.0856, 74.2886, 85.4067

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.



76.1282, 77.8751, 86.6124



72.5330, 77.8751, 80.3157



74.5180, 77.8751, 91.0279

Square

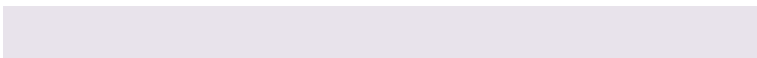
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



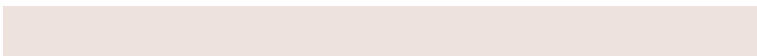
72.5330, 77.8751, 80.3157



72.4377, 77.8751, 89.1467



75.5230, 77.8751, 89.4331



75.6210, 77.8751, 80.5829

Rectangle

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



72.5330, 77.8751, 80.3157



71.8591, 77.8751, 85.1431



75.5230, 77.8751, 89.4331



76.2196, 77.8751, 84.4434

Sweetspot

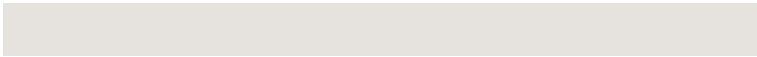
The Sweet Spot groups the original color and five complimentary colors.



72.5352, 77.8785, 80.3174



94.0580, 99.5357, 106.7247



73.2718, 77.0018, 80.1094



20.1428, 21.3096, 22.8664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

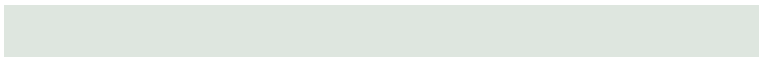
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5352, 77.8785, 80.3174



91.1436, 98.1709, 100.3713



71.7336, 77.4507, 80.9351



15.4393, 16.6990, 16.8810



18.3283, 33.2301, 5.4480



1.4547, 2.5073, 0.4073

Inverse Universe

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



72.0856, 74.2886, 85.4067



90.4893, 92.9459, 107.7788



72.9094, 74.7284, 84.7625



15.3087, 15.6562, 18.3594



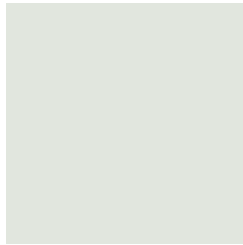
14.7168, 6.6527, 42.8916



1.1896, 0.5442, 3.1743

Previews

White Background



This preview shows how the XYZ color 72.5330, 77.8751, 80.3157 looks on a white background.

Color Contrast Check

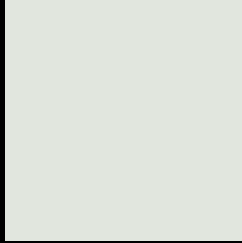
Large Text (above 18pt) WCAG AA × Fail

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 72.5330, 77.8751, 80.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

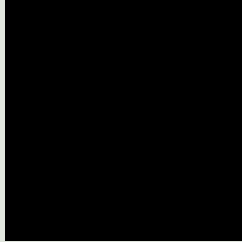
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

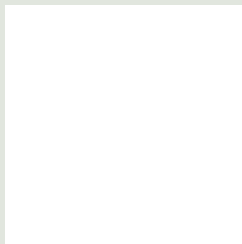
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5330, 77.8751, 80.3157

Background



This preview shows how black text looks on a background with the XYZ color 72.5330, 77.8751, 80.3157.

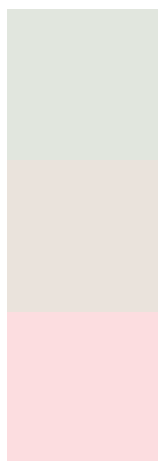


This preview shows how white text looks on a background with the XYZ color 72.5330, 77.8751,

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

72.5330, 77.8751, 80.3157

Protanopia

74.3190, 77.5979, 78.7710

Deuteranopia

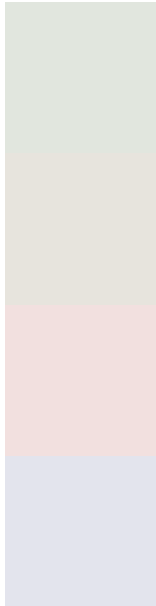
79.4559, 77.7902, 81.3482



Tritanopia

75.9454, 78.0247, 97.4437

Trichromacy



Original Color

72.5330, 77.8751, 80.3157

Protanomaly

73.7495, 77.6962, 79.5165

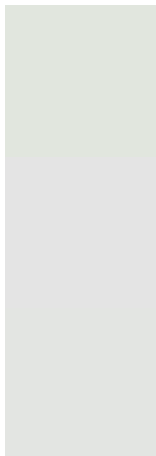
Deuteranomaly

76.5929, 77.5163, 80.7373

Tritanomaly

74.7080, 77.9321, 91.2256

Monochromacy



Original Color

72.5330, 77.8751, 80.3157

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.4253, 77.8605, 83.1102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5330, 77.8751, 80.3157 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(225, 230, 222) looks like.

```
.text, #text, p{  
    color:rgb(225, 230, 222)  
}
```

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(225, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 222) }
```

Border

The CSS property to change the border of an element to XYZ 72.5330, 77.8751, 80.3157 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(225, 230, 222) }
```


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

```
.border{ border-color:rgb(225, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(225, 230,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5330, 77.8751, 80.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 222) }
```

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

```
.background{ background-color: rgb(225,  
230, 222) }
```

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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