

Converting Colors

XYZ(72.3493, 77.5155, 76.4613)

Have a look what the booklet for
XYZ(72.3493, 77.5155, 76.4613)
contains.

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Color

**XYZ(72.2223, 77.3793,
76.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E5D9
RGB	227, 229, 217
RGB Percent	89%, 90%, 85%
CMY	0.1098, 0.1019, 0.1490
CMYK	0.01, 0.00, 0.05, 0.10
HSL	70°, 19%, 87%
HSV	70°, 5%, 90%
XYZ	72.2223, 77.3793, 76.7748
YIQ	227.0340, 2.6600, -4.1560

Conversions

Conversions Part 2

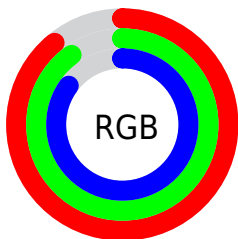
Format	Color
R _Y B	217, 229, 219
Decimal	14935513
CIE Lab	90.50, -2.77, 5.60
CIE LCh	90, 6.250, 116.330
Yxy	77.3793, 0.3190, 0.3418
Android (android.graphics.Color)	4293125593 (0xFFE3E5D9)
YUV	227.0340, -4.9468, -0.0298
Hunter-Lab	87.9655, -7.3858, 9.8285

Details

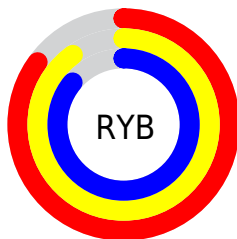
The XYZ color **72.2223, 77.3793, 76.7748** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1721, 70.3450, 84.1177**, and the grayscale version is **73.0738, 76.8793, 83.7215**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6709, 41.6514, 40.1838** is the 20% darker color. If you saturate the color by 10%, you get **68.2561, 75.6575, 62.1044**, and if you desaturate by 10%, it is **76.6330, 79.2869, 93.6268**.

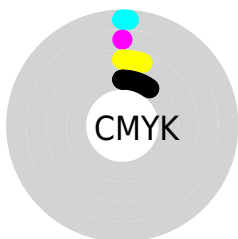
Distribution



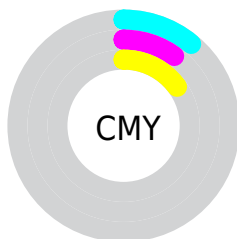
- Red (89%)
- Green (90%)
- Blue (85%)



- Red (85%)
- Yellow (90%)
- Blue (86%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2223, 77.3793, 76.7748 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 72.2223, 77.3793, 76.7748 by changing the saturation by 10% instead.

■ 72.2223, 77.3793,
76.7748

■ 72.2223, 77.3793,
76.7748

457.4606,
486.0563, 503.4131

■ 53.6264, 57.5642,
56.5576

121.3816,
129.6748, 130.5916

■ 38.5325, 41.4584,
40.2432

152.6758,
162.9239, 165.0284

■ 26.5754, 28.6775,
27.4130

188.9334,
201.4200, 205.0420

■ 17.3895, 18.8370,
17.6484

230.5198,
245.5472, 251.0512

■ 10.6096, 11.5525,
10.5311

277.8003,
295.6901, 303.4743

■ 5.8703, 6.4398,
5.6423

331.1404,

■ 2.8063, 3.1143,

352.2329, 362.7300

2.5636

390.9054,
415.5602, 429.2367

■ 1.0522, 1.1917,
0.8736

■ 0.0000, 0.0549,
0.0000

■ 72.2223, 77.3793,
76.7748

■ 72.2223, 77.3793,
76.7748

■ 68.2561, 75.6575,
62.1044

■ 76.6330, 79.2869,
93.6268

■ 64.7109, 74.1048,
49.5214

■ 80.2157, 80.8640,
105.9882

■ 61.5706, 72.7170,
38.9323

■ 81.4893, 81.5205,
106.0478

■ 58.8154, 71.4863,
30.2344

■ 82.7901, 82.1911,
106.1087

■ 56.4240, 70.4041,
23.3160

■ 84.1183, 82.8759,
106.1709

■ 54.3727, 69.4610,
18.0534

■ 85.4742, 83.5749,
106.2343

■ 52.6349, 68.6462,
14.3074

■ 86.8579, 84.2882,
106.2991

■ 51.1796, 67.9475,
11.9158

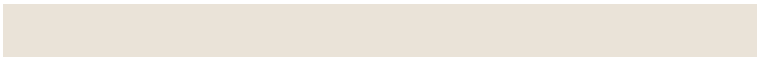
■ 87.3108, 84.5217,
106.3203

■ 49.9689, 67.3494,
10.6796

Harmonies

Analogous

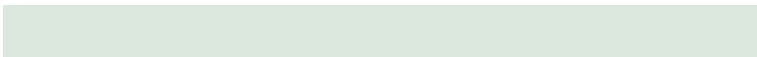
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7392, 77.3793, 75.9554



72.2223, 77.3793, 76.7748



71.0748, 77.3793, 79.5725

Triad

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



72.2223, 77.3793, 76.7748



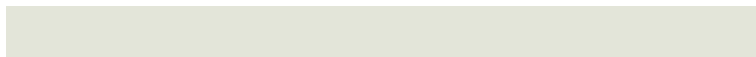
71.8937, 77.3793, 91.6179



76.5856, 77.3793, 84.8048

Complementary

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



72.2223, 77.3793, 76.7748



68.1721, 70.3450, 84.1177

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.



76.0753, 77.3793, 89.1134



72.2223, 77.3793, 76.7748



73.3546, 77.3793, 93.1337

Square

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



72.2223, 77.3793, 76.7748



70.8870, 77.3793, 88.1268



74.8872, 77.3793, 92.2015



76.2721, 77.3793, 80.4942

Rectangle

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



72.2223, 77.3793, 76.7748



70.6661, 77.3793, 82.2359



74.8872, 77.3793, 92.2015



76.5045, 77.3793, 86.3026

Sweetspot

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



72.2244, 77.3827, 76.7765



93.9271, 99.5147, 104.6181



70.1716, 72.3330, 75.9100



20.1161, 21.3053, 22.4374



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.



72.2244, 77.3827, 76.7765



91.7501, 98.5722, 96.3952



70.3651, 76.4241, 76.6895



15.6041, 16.7980, 16.2520



28.3596, 38.4014, 5.9175



2.1586, 2.8702, 0.4402

Inverse Universe

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



68.1721, 70.3450, 84.1177



85.8272, 88.2860, 107.1251



70.0096, 71.2922, 84.2037



14.4999, 14.8805, 18.2523



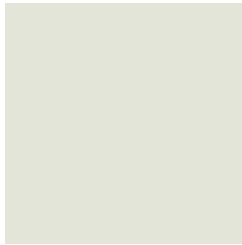
8.6158, 3.5075, 42.6061



0.7041, 0.2940, 3.1516

Previews

White Background



This preview shows how the XYZ color 72.2223, 77.3793, 76.7748 looks on a white background.

Color Contrast Check

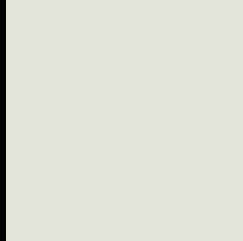
Large Text (above 18pt) WCAG AA × Fail

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 72.2223, 77.3793, 76.7748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

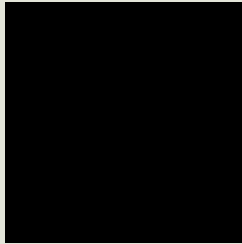
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

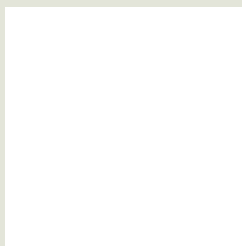
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2223, 77.3793, 76.7748

Background



This preview shows how black text looks on a background with the XYZ color 72.2223, 77.3793, 76.7748.

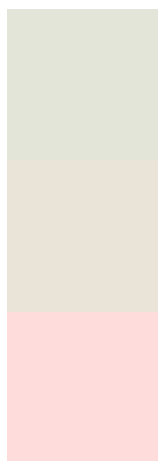


This preview shows how white text looks on a background with the XYZ color 72.2223, 77.3793,

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

72.2223, 77.3793, 76.7748

Protanopia

73.7954, 77.3885, 76.0138

Deuteranopia

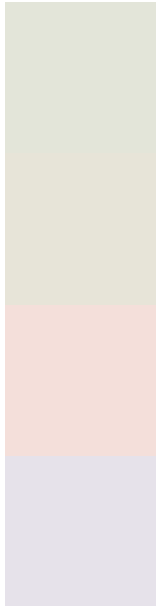
78.8874, 77.1835, 77.7579



Tritanopia

76.0579, 77.3104, 95.7077

Trichromacy



Original Color

72.2223, 77.3793, 76.7748

Protanomaly

73.0931, 77.4336, 76.0595

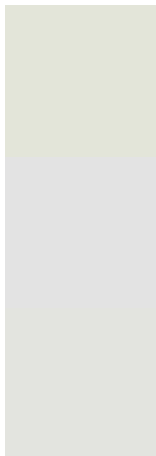
Deuteranomaly

76.3508, 77.0704, 77.1816

Tritanomaly

74.6808, 77.1562, 88.7984

Monochromacy



Original Color

72.2223, 77.3793, 76.7748

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.7412, 77.1454, 80.8687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2223, 77.3793, 76.7748 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(227, 229, 217) looks like.

```
.text, #text, p{  
    color:rgb(227, 229, 217)  
}
```

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(227, 229, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 229, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.2223, 77.3793, 76.7748 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(227, 229, 217) }
```


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

```
.border{ border-color:rgb(227, 229, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 229, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 229, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 229, 217);  
box-shadow:4px 4px 4px 4px rgb(227, 229,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2223, 77.3793, 76.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 229, 217) }
```

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

```
.background{ background-color: rgb(227,  
229, 217) }
```

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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