

Converting Colors

XYZ(72.9290, 77.8703, 72.9028)

Have a look what the booklet for
XYZ(72.9290, 77.8703, 72.9028)
contains.

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Color

**XYZ(72.7322, 77.7307,
72.7981)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E5D3
RGB	231, 229, 211
RGB Percent	91%, 90%, 83%
CMY	0.0941, 0.1019, 0.1725
CMYK	0.00, 0.01, 0.09, 0.09
HSL	54°, 29%, 87%
HSV	54°, 9%, 91%
XYZ	72.7322, 77.7307, 72.7981
YIQ	227.5460, 6.9700, -5.1740

Conversions

Conversions Part 2

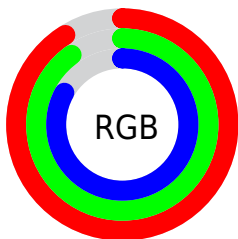
Format	Color
R _Y B	213, 231, 211
Decimal	15197651
CIE Lab	90.66, -2.39, 9.01
CIE LCh	91, 9.320, 104.888
Yxy	77.7307, 0.3258, 0.3482
Android (android.graphics.Color)	4293387731 (0xFFE7E5D3)
YUV	227.5460, -8.1572, 3.0292
Hunter-Lab	88.1650, -7.0343, 12.7596

Details

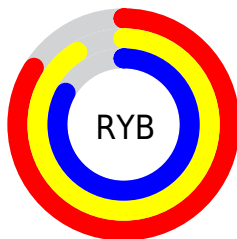
The XYZ color **72.7322, 77.7307, 72.7981** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0820, 67.2058, 85.1440**, and the grayscale version is **73.4672, 77.2932, 84.1723**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8160, 41.7864, 37.4722** is the 20% darker color. If you saturate the color by 10%, you get **69.4092, 75.3903, 58.4148**, and if you desaturate by 10%, it is **76.4842, 80.2613, 89.3794**.

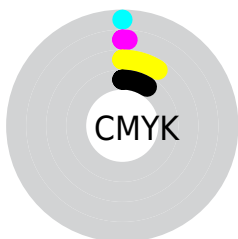
Distribution



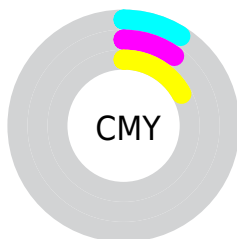
- Red (91%)
- Green (90%)
- Blue (83%)



- Red (84%)
- Yellow (91%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7322, 77.7307, 72.7981 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 72.7322, 77.7307, 72.7981 by changing the saturation by 10% instead.

■ 72.7322, 77.7307,
72.7981

■ 72.7322, 77.7307,
72.7981

459.2043,
487.2518, 489.3668

■ 54.0446, 57.8528,
53.3201

122.1021,
130.1704, 124.9088

■ 38.8681, 41.6903,
37.6689

153.5152,
163.5010, 158.3786

■ 26.8374, 28.8589,
25.4260

189.9008,
202.0846, 197.3493

■ 17.5871, 18.9741,
16.1728

231.6243,
246.3057, 242.2396

■ 10.7519, 11.6516,
9.4908

279.0510,
296.5485, 293.4679

■ 5.9663, 6.5069,
4.9615

332.5464,

■ 2.8651, 3.1557,

353.1975, 351.4529

2.1664

392.4757,
416.6372, 416.6130

■ 1.0828, 1.2135,
0.6549

■ 0.0107, 0.0727,
0.0000

■ 72.7322, 77.7307,
72.7981

■ 72.7322, 77.7307,
72.7981

■ 69.4092, 75.3903,
58.4148

■ 76.4842, 80.2613,
89.3794

■ 66.4910, 73.2228,
46.1316

■ 80.3188, 82.8361,
106.3634

■ 63.9609, 71.2240,
35.8503

■ 80.9779, 84.1542,
106.5831

■ 61.7983, 69.3856,
27.4631

■ 81.6456, 85.4895,
106.8057

■ 59.9808, 67.6985,
20.8521

■ 82.3218, 86.8420,
107.0311

■ 58.4835, 66.1528,
15.8861

■ 83.0067, 88.2117,
107.2594

■ 57.2780, 64.7371,
12.4158

■ 83.7002, 89.5988,
107.4906

■ 56.3307, 63.4379,
10.2649

■ 84.4024, 91.0032,
107.7246

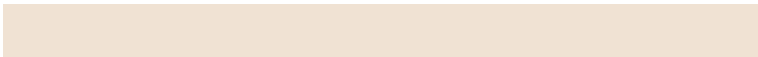
■ 55.5920, 62.2352,
9.1716

■ 85.1133, 92.4251,
107.9616

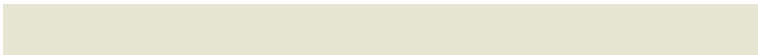
Harmonies

Analogous

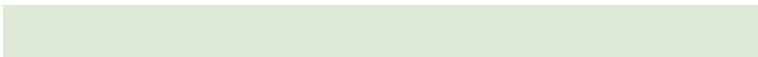
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0583, 77.7307, 72.8098



72.7322, 77.7307, 72.7981



70.7548, 77.7307, 75.8417

Triad

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



72.7322, 77.7307, 72.7981



70.7427, 77.7307, 94.0460



78.3041, 77.7307, 88.0349

Complementary

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



72.7322, 77.7307, 72.7981



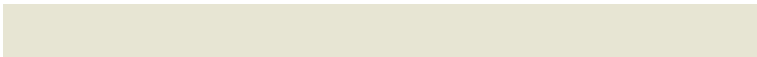
65.0820, 67.2058, 85.1440

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.



77.0974, 77.7307, 94.0841



72.7322, 77.7307, 72.7981



72.7154, 77.7307, 97.6770

Square

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



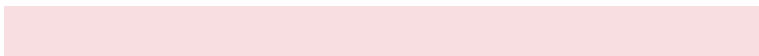
72.7322, 77.7307, 72.7981



69.6227, 77.7307, 87.9852



75.0412, 77.7307, 97.6913



78.3088, 77.7307, 81.3720

Rectangle

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



72.7322, 77.7307, 72.7981



69.8863, 77.7307, 79.2909



75.0412, 77.7307, 97.6913



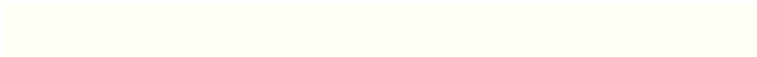
78.0245, 77.7307, 90.2151

Sweetspot

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



72.7343, 77.7341, 72.7998



93.5995, 99.0310, 102.4608



68.2605, 68.3827, 72.5533



19.9530, 21.1420, 21.5718



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.



72.7343, 77.7341, 72.7998



90.4065, 96.8524, 88.4248



70.7662, 77.5439, 72.8668



15.4723, 16.5584, 15.2851



31.1657, 34.9055, 5.0948



2.3388, 2.6509, 0.3884

Inverse Universe

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



65.0820, 67.2058, 85.1440



79.3920, 81.6986, 106.1927



66.9325, 67.4192, 85.0877



13.6980, 14.1173, 18.1473



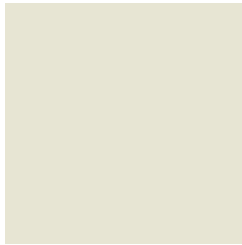
8.2994, 3.6610, 42.6524



0.6528, 0.3495, 3.1650

Previews

White Background



This preview shows how the XYZ color 72.7322, 77.7307, 72.7981 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 72.7322, 77.7307, 72.7981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

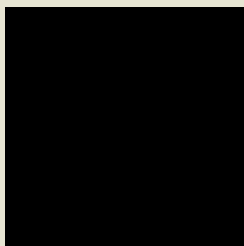
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

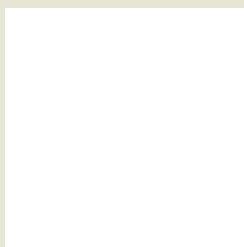
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7322, 77.7307, 72.7981

Background



This preview shows how black text looks on a background with the XYZ color 72.7322, 77.7307, 72.7981.



This preview shows how white text looks on a background with the XYZ color 72.7322, 77.7307,

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

72.7322, 77.7307, 72.7981

Protanopia

73.6940, 77.4242, 72.0330

Deuteranopia

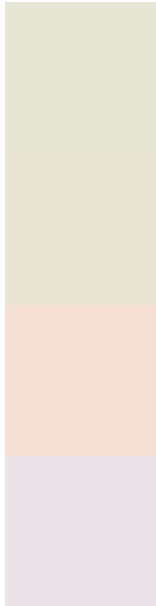
79.1067, 77.7770, 73.7939



Tritanopia

76.9436, 77.3843, 94.8857

Trichromacy



Original Color

72.7322, 77.7307, 72.7981

Protanomaly

73.3079, 77.6324, 72.0936

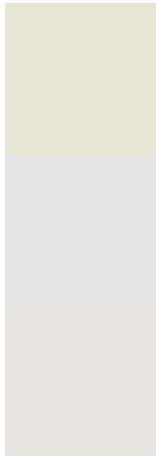
Deuteranomaly

76.5454, 77.6576, 73.2424

Tritanomaly

75.5518, 77.6547, 86.6081

Monochromacy



Original Color

72.7322, 77.7307, 72.7981

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.2413, 77.4187, 80.1903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7322, 77.7307, 72.7981 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(231, 229, 211) looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 211)  
}
```

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(231, 229, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 211) }
```

Border

The CSS property to change the border of an element to XYZ 72.7322, 77.7307, 72.7981 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(231, 229, 211) }
```


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

```
.border{ border-color:rgb(231, 229, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 211);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7322, 77.7307, 72.7981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 211) }
```

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

```
.background{ background-color: rgb(231,  
229, 211) }
```

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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