

Converting Colors

XYZ(77.2998, 78.0660, 78.9287)

Have a look what the booklet for
XYZ(77.2998, 78.0660, 78.9287)
contains.

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Color

**XYZ(77.2301, 77.8911,
78.6742)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E0DC
RGB	245, 224, 220
RGB Percent	96%, 88%, 86%
CMY	0.0392, 0.1215, 0.1372
CMYK	0.00, 0.09, 0.10, 0.04
HSL	10°, 56%, 91%
HSV	10°, 10%, 96%
XYZ	77.2301, 77.8911, 78.6742
YIQ	229.8230, 13.8000, 3.2080

Conversions

Conversions Part 2

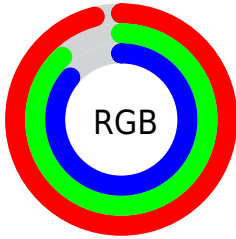
Format	Color
R_{YB}	245, 225, 220
Decimal	16113884
CIE Lab	90.73, 6.53, 4.55
CIE LCh	91, 7.958, 34.869
Yxy	77.8911, 0.3303, 0.3332
Android (android.graphics.Color)	4294303964 (0xFFFF5E0DC)
YUV	229.8230, -4.8427, 13.3102
Hunter-Lab	88.2559, 1.7521, 8.9261

Details

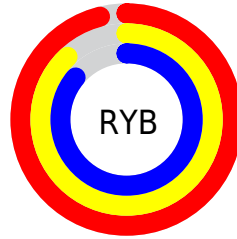
The XYZ color **77.2301, 77.8911, 78.6742** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.4516, 84.7172, 98.6569**, and the grayscale version is **75.1123, 79.0240, 86.0571**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9658, 41.9114, 41.4752** is the 20% darker color. If you saturate the color by 10%, you get **69.0213, 66.2908, 61.0852**, and if you desaturate by 10%, it is **86.5880, 91.0268, 98.9942**.

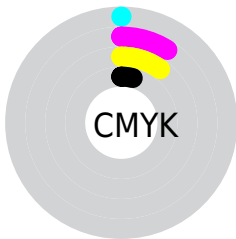
Distribution



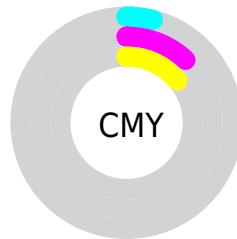
- Red (96%)
- Green (88%)
- Blue (86%)



- Red (96%)
- Yellow (88%)
- Blue (86%)



- Cyan (0%)
- Magenta (9%)
- Yellow (10%)
- Black (4%)



- Cyan (4%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2301, 77.8911, 78.6742 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 77.2301, 77.8911, 78.6742 by changing the saturation by 10% instead.

77.2301, 77.8911,
78.6742

77.2301, 77.8911,
78.6742

474.4281,
487.7969, 510.0419

57.7423, 57.9845,
58.1082

128.4354,
130.3966, 133.2946

41.8440, 41.7962,
41.4804

160.8836,
163.7643, 168.1861

29.1697, 28.9418,
28.3721

198.3826,
202.3879, 208.6899

19.3542, 19.0368,
18.3649

241.2979,
246.6516, 255.2245

12.0320, 11.6968,
11.0401

289.9947,
296.9400, 308.2085

6.8378, 6.5376,
5.9793

344.8384,

3.4063, 3.1746,

353.6374, 368.0604

2.7639

406.1945,
417.1283, 435.1987

■ 1.3721, 1.2236,
0.9754

■ 0.2362, 0.0808,
0.0000

■ 77.2301, 77.8911,
78.6742

■ 77.2301, 77.8911,
78.6742

■ 69.0213, 66.2908,
61.0852

■ 86.5880, 91.0268,
98.9942

■ 61.9108, 56.1599,
46.1057

■ 91.4665, 98.1527,
108.7323

■ 55.8534, 47.4425,
33.6126

■ 50.7983, 40.0755,
23.4707

■ 46.6905, 33.9907,
15.5322

■ 43.4694, 29.1141,
9.6320

■ 41.0673, 25.3639,
5.5821

■ 39.4060, 22.6478,
3.1587

■ 38.3901, 20.8797,
2.0068

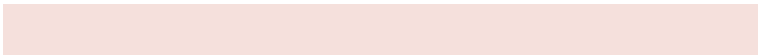
Harmonies

Analogous

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



77.9274, 77.8911, 83.8797



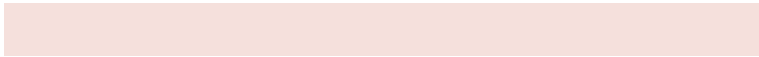
77.2301, 77.8911, 78.6742



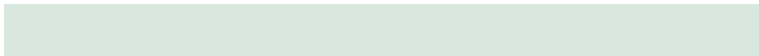
75.6767, 77.8911, 75.2340

Triad

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



77.2301, 77.8911, 78.6742



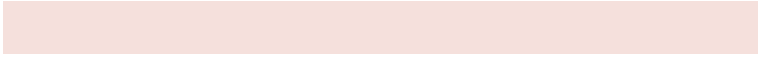
70.6092, 77.8911, 80.2229



74.3597, 77.8911, 96.2521

Complementary

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



77.2301, 77.8911, 78.6742



77.4516, 84.7172, 98.6569

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.



72.4136, 77.8911, 95.1662



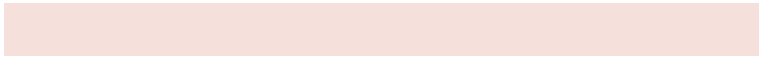
77.2301, 77.8911, 78.6742



70.2709, 77.8911, 85.7475

Square

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



77.2301, 77.8911, 78.6742



71.8584, 77.8911, 76.0996



70.9257, 77.8911, 91.2572



76.2513, 77.8911, 94.1613

Rectangle

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



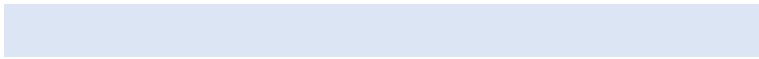
77.2301, 77.8911, 78.6742



74.3772, 77.8911, 74.3170



70.9257, 77.8911, 91.2572



73.6901, 77.8911, 96.2473

Sweetspot

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



77.2323, 77.8945, 78.6759



91.8271, 95.4862, 101.8700



79.1649, 76.9658, 94.0993



19.4746, 20.1854, 21.4123



0.0000, 0.0000, 0.0000



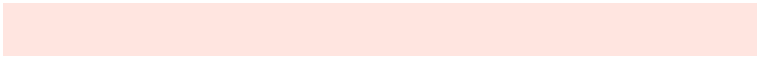
20.3446, 21.4041, 23.3091

Same Dimension

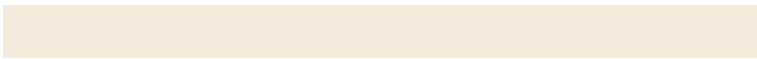
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2323, 77.8945, 78.6759



82.8516, 82.8691, 82.4343



80.6429, 84.7157, 79.8127



16.7135, 16.9111, 17.1808



20.7458, 11.3772, 1.1026



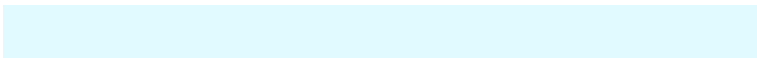
1.8849, 1.1231, 0.1174

Inverse Universe

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



77.4516, 84.7172, 98.6569



83.1309, 91.5638, 107.8999



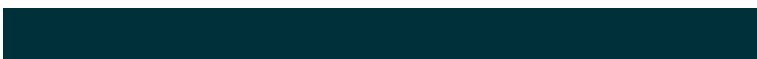
73.9479, 77.7097, 97.4890



16.7575, 18.2792, 21.1876



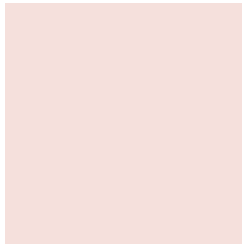
20.8234, 27.4406, 50.7371



1.8894, 2.5302, 4.4790

Previews

White Background



This preview shows how the XYZ color 77.2301, 77.8911, 78.6742 looks on a white background.

Color Contrast Check

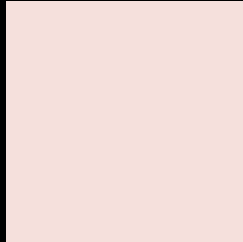
Large Text (above 18pt) WCAG AA × Fail

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 77.2301, 77.8911, 78.6742 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

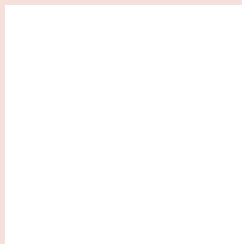
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2301, 77.8911, 78.6742

Background



This preview shows how black text looks on a background with the XYZ color 77.2301, 77.8911, 78.6742.



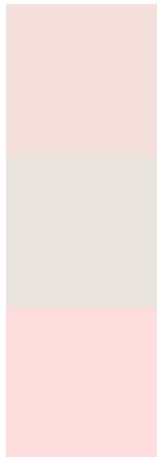
This preview shows how white text looks on a background with the XYZ color 77.2301, 77.8911,

78.6742.

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

77.2301, 77.8911, 78.6742

Protanopia

74.8599, 78.2532, 80.2661

Deuteranopia

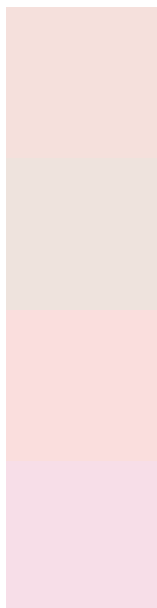
79.4156, 77.8160, 79.2410



Tritanopia

80.1478, 77.9014, 92.4736

Trichromacy



Original Color

77.2301, 77.8911, 78.6742

Protanomaly

75.7801, 78.3358, 79.5329

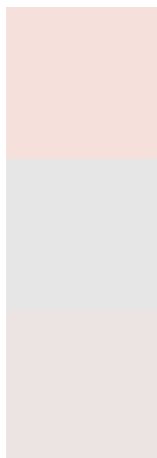
Deuteranomaly

78.5968, 77.7870, 79.2785

Tritanomaly

79.0445, 77.8429, 87.2030

Monochromacy



Original Color

77.2301, 77.8911, 78.6742

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.7318, 78.6400, 83.1390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2301, 77.8911, 78.6742 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(245, 224, 220) looks like.

```
.text, #text, p{  
    color:rgb(245, 224, 220)  
}
```

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(245, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 224, 220) }
```

Border

The CSS property to change the border of an element to XYZ 77.2301, 77.8911, 78.6742 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(245, 224, 220) }
```


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

```
.border{ border-color:rgb(245, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(245, 224,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2301, 77.8911, 78.6742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 224, 220) }
```

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

```
.background{ background-color: rgb(245,  
224, 220) }
```

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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