

Converting Colors

XYZ(77.2483, 80.9451, 79.0993)

Have a look what the booklet for
XYZ(77.2483, 80.9451, 79.0993)
contains.

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Color

**XYZ(77.0908, 80.6699,
79.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE7DC
RGB	239, 231, 220
RGB Percent	94%, 91%, 86%
CMY	0.0627, 0.0941, 0.1372
CMYK	0.00, 0.03, 0.08, 0.06
HSL	35°, 37%, 90%
HSV	35°, 8%, 94%
XYZ	77.0908, 80.6699, 79.2179
YIQ	232.1380, 8.2990, -1.7250

Conversions

Conversions Part 2

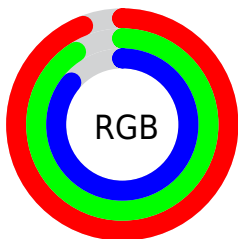
Format	Color
R_{YB}	234, 239, 220
Decimal	15722460
CIE Lab	91.98, 0.84, 6.30
CIE LCh	92, 6.356, 82.394
Yxy	80.6699, 0.3253, 0.3404
Android (android.graphics.Color)	4293912540 (0xFFEFE7DC)
YUV	232.1380, -5.9840, 6.0180
Hunter-Lab	89.8164, -3.9695, 10.5778

Details

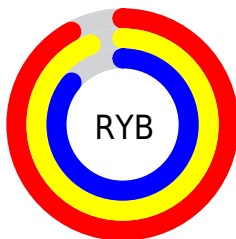
The XYZ color **77.0908, 80.6699, 79.2179** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.8384, 76.9331, 92.6728**, and the grayscale version is **76.8460, 80.8480, 88.0435**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6499, 43.4438, 41.7876** is the 20% darker color. If you saturate the color by 10%, you get **71.4152, 74.0267, 62.8098**, and if you desaturate by 10%, it is **83.3853, 87.8248, 98.0668**.

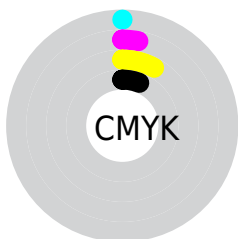
Distribution



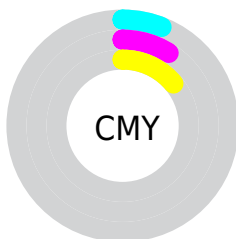
- Red (94%)
- Green (91%)
- Blue (86%)



- Red (92%)
- Yellow (94%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0908, 80.6699, 79.2179 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 77.0908, 80.6699, 79.2179 by changing the saturation by 10% instead.

■ 77.0908, 80.6699,
79.2179

■ 77.0908, 80.6699,
79.2179

473.9607,
497.1876, 511.9303

■ 57.6276, 60.2698,
58.5526

128.2398,
134.3072, 134.0670

■ 41.7514, 43.6361,
41.8354

160.6563,
168.3131, 169.0879

■ 29.0970, 30.3845,
28.6478

198.1213,
207.6231, 209.7311

■ 19.2988, 20.1306,
18.5713

241.0001,
252.6215, 256.4151

■ 11.9917, 12.4900,
11.1873

289.6581,
303.6928, 309.5585

■ 6.8102, 7.0783,
6.0772

344.4606,

■ 3.3889, 3.5111,

361.2213, 369.5798

2.8225

405.7731,
425.5914, 436.8975

■ 1.3626, 1.4041,
1.0047

■ 0.2294, 0.2197,
0.0000

■ 77.0908, 80.6699,
79.2179

■ 77.0908, 80.6699,
79.2179

■ 71.4152, 74.0267,
62.8098

■ 83.3853, 87.8248,
98.0668

■ 66.3299, 67.8715,
48.7358

■ 88.1820, 94.6409,
108.2276

■ 61.8140, 62.1942,
36.8889

■ 89.4070, 97.0909,
108.6359

■ 57.8424, 56.9802,
27.1518

■ 54.3882, 52.2140,
19.3959

■ 51.4214, 47.8789,
13.4789

■ 48.9083, 43.9564,
9.2389

■ 46.8099, 40.4258,
6.4853

■ 45.0734, 37.2607,
4.9571

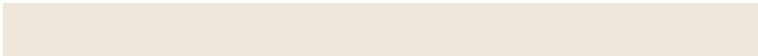
Harmonies

Analogous

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



78.6070, 80.6699, 80.9004



77.0908, 80.6699, 79.2179



75.4839, 80.6699, 79.7786

Triad

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



77.0908, 80.6699, 79.2179



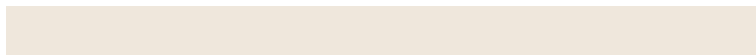
73.8068, 80.6699, 91.3076



79.1896, 80.6699, 93.4402

Complementary

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



77.0908, 80.6699, 79.2179



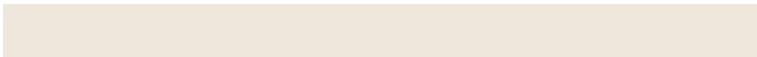
72.8384, 76.9331, 92.6728

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.



77.8772, 80.6699, 96.4180



77.0908, 80.6699, 79.2179



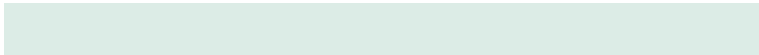
74.7736, 80.6699, 95.1566

Square

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



77.0908, 80.6699, 79.2179



73.6030, 80.6699, 86.6506



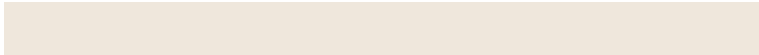
76.2593, 80.6699, 97.0571



79.8299, 80.6699, 89.0318

Rectangle

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



77.0908, 80.6699, 79.2179



74.5761, 80.6699, 81.3586



76.2593, 80.6699, 97.0571



78.8116, 80.6699, 94.6480

Sweetspot

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



77.0930, 80.6734, 79.2196



93.5588, 98.3142, 104.4057



75.2268, 75.1527, 84.1108



20.0411, 21.0610, 22.3942



0.0000, 0.0000, 0.0000



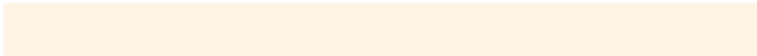
20.3446, 21.4041, 23.3091

Same Dimension

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



77.0930, 80.6734, 79.2196



87.8845, 91.8086, 87.5841



78.9561, 85.0323, 79.9628



16.5332, 17.2796, 16.6136



24.8604, 20.5189, 2.6503



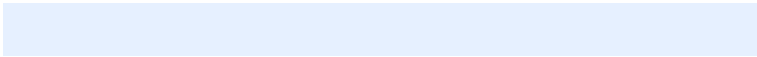
2.1664, 1.9034, 0.2532

Inverse Universe

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



72.8384, 76.9331, 92.6728



81.7510, 86.4165, 106.9791



71.0744, 72.8337, 91.9745



15.4439, 16.3220, 20.0581



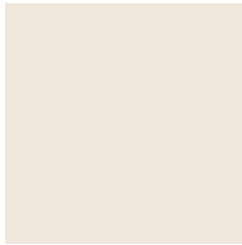
11.2821, 8.7884, 46.2296



1.0349, 0.9237, 3.8780

Previews

White Background



This preview shows how the XYZ color 77.0908, 80.6699, 79.2179 looks on a white background.

Color Contrast Check

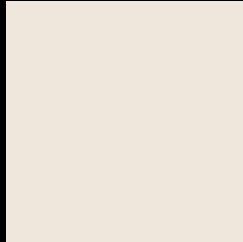
Large Text (above 18pt) WCAG AA × Fail

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 77.0908, 80.6699, 79.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

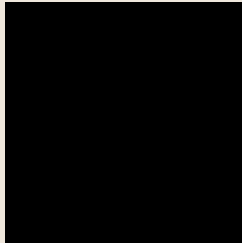
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

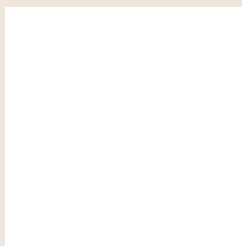
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0908, 80.6699, 79.2179

Background



This preview shows how black text looks on a background with the XYZ color 77.0908, 80.6699, 79.2179.

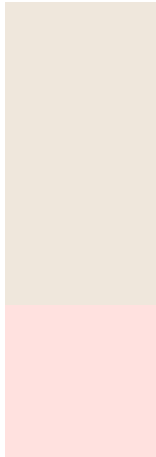


This preview shows how white text looks on a background with the XYZ color 77.0908, 80.6699,

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

77.0908, 80.6699, 79.2179

Protanopia

77.0908, 80.6699, 79.2179

Deuteranopia

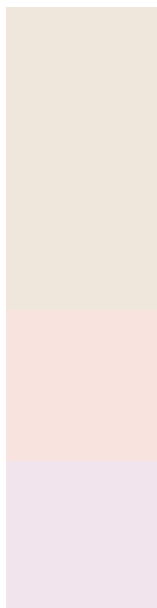
81.4845, 80.4381, 81.0435



Tritanopia

80.9127, 80.5854, 97.6762

Trichromacy



Original Color

77.0908, 80.6699, 79.2179

Protanomaly

77.0908, 80.6699, 79.2179

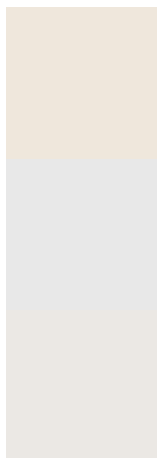
Deuteranomaly

79.7208, 80.3518, 80.4150

Tritanomaly

79.5017, 80.4202, 90.6893

Monochromacy



Original Color

77.0908, 80.6699, 79.2179

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.1212, 80.9768, 84.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0908, 80.6699, 79.2179 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(239, 231, 220) looks like.

```
.text, #text, p{  
    color:rgb(239, 231, 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(239, 231, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 231, 220) }
```

Border

The CSS property to change the border of an element to XYZ 77.0908, 80.6699, 79.2179 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(239, 231, 220) }
```


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

```
.border{ border-color:rgb(239, 231, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 231, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 231, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 231, 220);  
box-shadow:4px 4px 4px 4px rgb(239, 231,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0908, 80.6699, 79.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 231, 220) }
```

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

```
.background{ background-color: rgb(239,  
231, 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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