

Converting Colors

XYZ(77.2235, 80.3322, 81.3740)

Have a look what the booklet for
XYZ(77.2235, 80.3322, 81.3740)
contains.

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Color

**XYZ(77.2127, 80.2721,
81.2365)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE6DF
RGB	239, 230, 223
RGB Percent	94%, 90%, 87%
CMY	0.0627, 0.0980, 0.1255
CMYK	0.00, 0.04, 0.07, 0.06
HSL	26°, 33%, 91%
HSV	26°, 7%, 94%
XYZ	77.2127, 80.2721, 81.2365
YIQ	231.8930, 7.6110, -0.2690

Conversions

Conversions Part 2

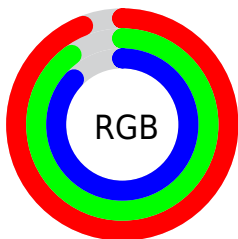
Format	Color
R _Y B	239, 235, 223
Decimal	15722207
CIE Lab	91.81, 1.85, 4.48
CIE LCh	92, 4.846, 67.518
Yxy	80.2721, 0.3234, 0.3363
Android (android.graphics.Color)	4293912287 (0xFFEFE6DF)
YUV	231.8930, -4.3842, 6.2328
Hunter-Lab	89.5947, -2.9594, 8.9574

Details

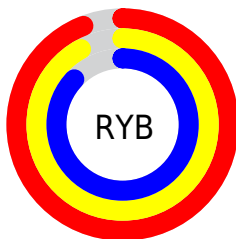
The XYZ color **77.2127, 80.2721, 81.2365** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8678, 79.6318, 93.0868**, and the grayscale version is **76.6514, 80.6433, 87.8205**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9263, 43.5544, 43.2429** is the 20% darker color. If you saturate the color by 10%, you get **70.6194, 71.8828, 64.2473**, and if you desaturate by 10%, it is **84.5537, 89.4269, 100.7208**.

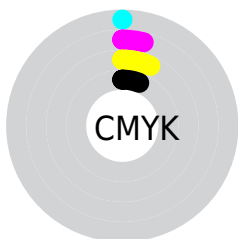
Distribution



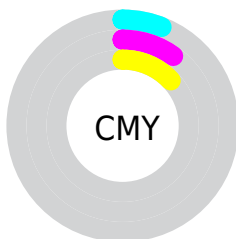
- Red (94%)
- Green (90%)
- Blue (87%)



- Red (94%)
- Yellow (92%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (6%)



- Cyan (6%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2127, 80.2721, 81.2365 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 77.2127, 80.2721, 81.2365 by changing the saturation by 10% instead.

77.2127, 80.2721,
81.2365

77.2127, 80.2721,
81.2365

474.3698,
495.8494, 518.9065

57.7280, 59.9423,
60.2043

128.4109,
133.7482, 136.9299

41.8324, 43.3721,
43.1569

160.8552,
167.6633, 172.4280

29.1606, 30.1772,
29.6759

198.3500,
206.8756, 213.5853

19.3473, 19.9731,
19.3428

241.2607,
251.7696, 260.8202

12.0270, 12.3755,
11.7389

289.9527,
302.7295, 314.5512

6.8344, 7.0000,
6.4458

344.7913,

3.4041, 3.4621,

360.1399, 375.1969

3.0449

406.1418,
424.3850, 443.1758

■ 1.3709, 1.3775,
1.1176

■ 0.2354, 0.2000,
0.0000

■ 77.2127, 80.2721,
81.2365

■ 77.2127, 80.2721,
81.2365

■ 70.6194, 71.8828,
64.2473

■ 84.5537, 89.4269,
100.7208

■ 64.7417, 64.2280,
49.6462

■ 89.4070, 97.0909,
108.6359

■ 59.5547, 57.2897,
37.3257

■ 55.0298, 51.0453,
27.1683

■ 51.1356, 45.4708,
19.0458

■ 47.8384, 40.5404,
12.8161

■ 45.1000, 36.2265,
8.3185

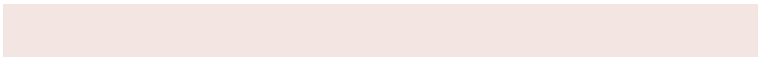
■ 42.8771, 32.4984,
5.3653

■ 41.1165, 29.3207,
3.7193

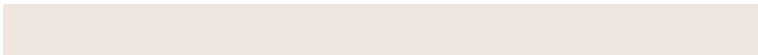
Harmonies

Analogous

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



78.2053, 80.2721, 83.3048



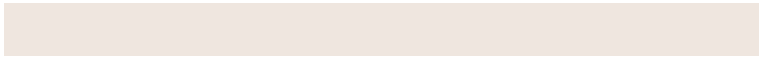
77.2127, 80.2721, 81.2365



75.9843, 80.2721, 80.7984

Triad

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



77.2127, 80.2721, 81.2365



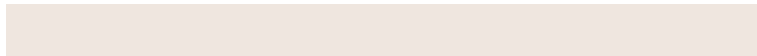
73.9539, 80.2721, 88.3003



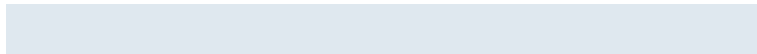
77.7593, 80.2721, 92.9382

Complementary

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



77.2127, 80.2721, 81.2365



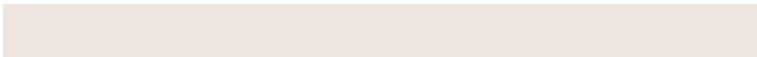
74.8678, 79.6318, 93.0868

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.



76.6090, 80.2721, 94.3573



77.2127, 80.2721, 81.2365



74.4184, 80.2721, 91.6328

Square

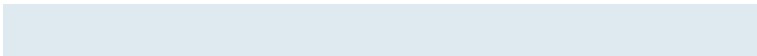
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2127, 80.2721, 81.2365



74.1116, 80.2721, 84.8144



75.3870, 80.2721, 93.8732



78.5233, 80.2721, 90.0431

Rectangle

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



77.2127, 80.2721, 81.2365



75.1986, 80.2721, 81.4786



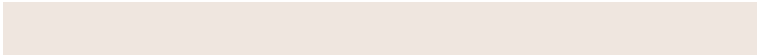
75.3870, 80.2721, 93.8732



77.4045, 80.2721, 93.6072

Sweetspot

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



77.2149, 80.2756, 81.2382



93.3317, 97.8600, 104.3301



76.5603, 76.9572, 87.2137



19.9949, 20.9686, 22.3788



0.0000, 0.0000, 0.0000



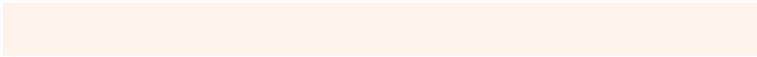
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2149, 80.2756, 81.2382



88.3873, 91.6543, 91.3272



79.4720, 84.7897, 81.9906



16.3421, 16.8974, 16.5499



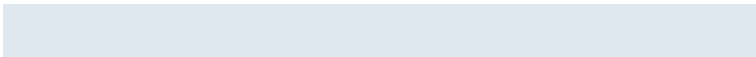
22.5677, 15.9335, 1.8860



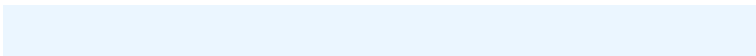
1.9748, 1.5202, 0.1893

Inverse Universe

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



74.8678, 79.6318, 93.0868



85.1559, 90.7679, 107.6395



72.6861, 75.2683, 92.3595



15.6346, 16.7033, 20.1216



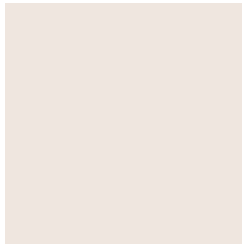
13.4824, 13.1891, 46.9630



1.2205, 1.2950, 3.9398

Previews

White Background



This preview shows how the XYZ color 77.2127, 80.2721, 81.2365 looks on a white background.

Color Contrast Check

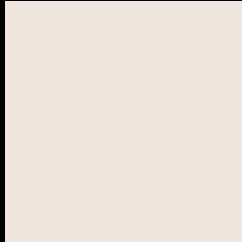
Large Text (above 18pt) WCAG AA × Fail

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 77.2127, 80.2721, 81.2365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

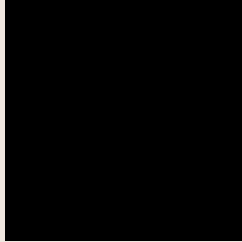
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

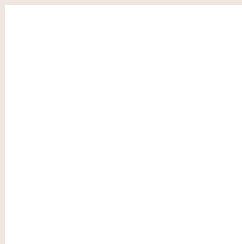
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2127, 80.2721, 81.2365

Background



This preview shows how black text looks on a background with the XYZ color 77.2127, 80.2721, 81.2365.



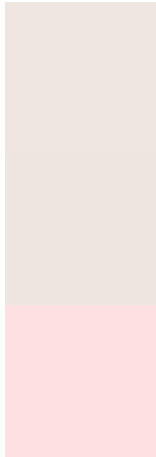
This preview shows how white text looks on a background with the XYZ color 77.2127, 80.2721,

81.2365.

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

77.2127, 80.2721, 81.2365

Protanopia

76.5411, 79.9259, 81.2051

Deuteranopia

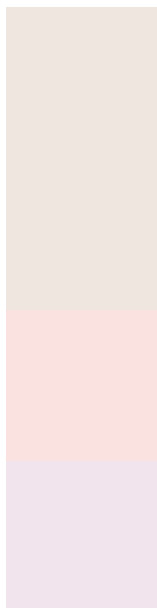
81.4863, 80.0076, 82.3824



Tritanopia

80.5685, 80.4080, 97.6601

Trichromacy



Original Color

77.2127, 80.2721, 81.2365

Protanomaly

76.8760, 80.0985, 81.2208

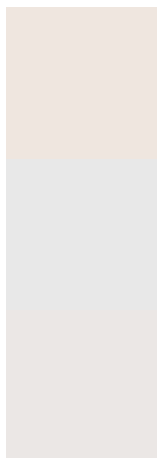
Deuteranomaly

79.7178, 79.9143, 81.7444

Tritanomaly

79.3051, 80.3020, 91.4408

Monochromacy



Original Color

77.2127, 80.2721, 81.2365

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.9797, 80.4711, 85.6040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2127, 80.2721, 81.2365 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, 230, 223) looks like.

```
.text, #text, p{  
    color:rgb(239, 230, 223)  
}
```

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, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 230, 223) }
```

Border

The CSS property to change the border of an element to XYZ 77.2127, 80.2721, 81.2365 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, 230, 223) }
```


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

```
.border{ border-color:rgb(239, 230, 223) }
```

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

Here you see how a box with a 4 pixel rgb(239, 230, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(239, 230,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2127, 80.2721, 81.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 230, 223) }
```

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

```
.background{ background-color: rgb(239,  
230, 223) }
```

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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