

Converting Colors

XYZ(78.1966, 81.8988, 77.1140)

Have a look what the booklet for
XYZ(78.1966, 81.8988, 77.1140)
contains.

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Color

**XYZ(77.9989, 81.6002,
77.2851)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E8D9
RGB	242, 232, 217
RGB Percent	95%, 91%, 85%
CMY	0.0510, 0.0902, 0.1490
CMYK	0.00, 0.04, 0.10, 0.05
HSL	36°, 49%, 90%
HSV	36°, 10%, 95%
XYZ	77.9989, 81.6002, 77.2851
YIQ	233.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

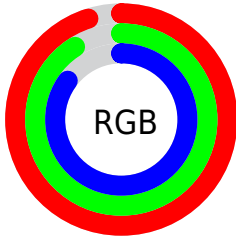
Format	Color
R_YB	234, 242, 217
Decimal	15919321
CIE Lab	92.40, 0.88, 8.49
CIE LCh	92, 8.533, 84.063
Yxy	81.6002, 0.3293, 0.3445
Android (android.graphics.Color)	4294109401 (0xFFFF2E8D9)
YUV	233.2800, -8.0260, 7.6474
Hunter-Lab	90.3328, -3.9546, 12.5069

Details

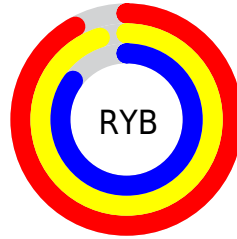
The XYZ color **77.9989, 81.6002, 77.2851** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.1111, 76.0993, 94.8931**, and the grayscale version is **77.7178, 81.7651, 89.0422**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2966, 44.0984, 40.4650** is the 20% darker color. If you saturate the color by 10%, you get **72.4309, 75.1370, 61.0215**, and if you desaturate by 10%, it is **84.1830, 88.5551, 96.0332**.

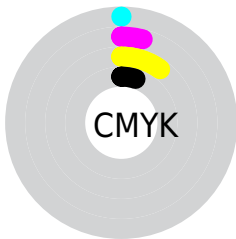
Distribution



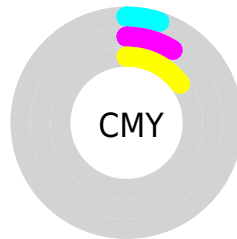
- Red (95%)
- Green (91%)
- Blue (85%)



- Red (92%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9989, 81.6002, 77.2851 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 77.9989, 81.6002, 77.2851 by changing the saturation by 10% instead.

77.9989, 81.6002,
77.2851

77.9989, 81.6002,
77.2851

477.0030,
500.3094, 505.1990

58.3759, 61.0360,
56.9739

129.5139,
135.6132, 131.3185

42.3553, 44.2543,
40.5751

162.1367,
169.8308, 165.8779

29.5719, 30.8704,
27.6700

199.8233,
209.3684, 206.0237

19.6604, 20.5002,
17.8402

242.9392,
254.6104, 252.1746

12.2552, 12.7592,
10.6671

291.8498,
305.9410, 304.7490

6.9912, 7.2629,
5.7321

346.9204,

3.5029, 3.6271,

363.7448, 364.1655

2.6167

408.5163,
428.4061, 430.8427

■ 1.4249, 1.4672,
0.9011

■ 0.2739, 0.2655,
0.0000

■ 77.9989, 81.6002,
77.2851

■ 77.9989, 81.6002,
77.2851

■ 72.4309, 75.1370,
61.0215

■ 84.1830, 88.5551,
96.0332

■ 67.4498, 69.1420,
47.1311

■ 89.2771, 95.3150,
108.3000

■ 63.0341, 63.6054,
35.5015

■ 90.4283, 97.6174,
108.6837

■ 59.1578, 58.5127,
26.0096

■ 55.7930, 53.8486,
18.5199

■ 52.9084, 49.5965,
12.8815

■ 50.4687, 45.7377,
8.9216

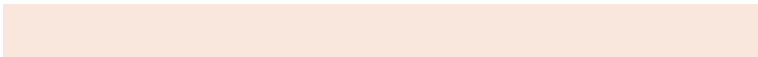
■ 48.4321, 42.2511,
6.4345

■ 46.7812, 39.2033,
5.1014

Harmonies

Analogous

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



80.0794, 81.6002, 79.3546



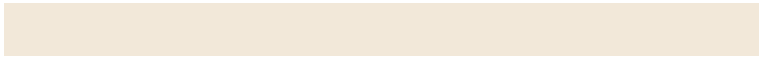
77.9989, 81.6002, 77.2851



75.8387, 81.6002, 78.1929

Triad

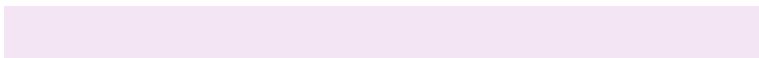
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9989, 81.6002, 77.2851



73.7427, 81.6002, 93.9041



81.0504, 81.6002, 96.1845

Complementary

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



77.9989, 81.6002, 77.2851



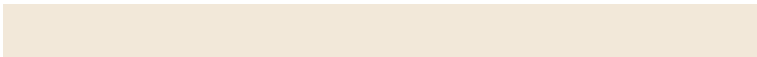
72.1111, 76.0993, 94.8931

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.



79.3042, 81.6002, 100.4312



77.9989, 81.6002, 77.2851



75.0912, 81.6002, 99.0714

Square

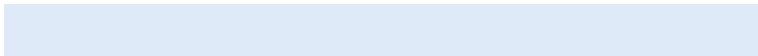
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9989, 81.6002, 77.2851



73.4081, 81.6002, 87.5959



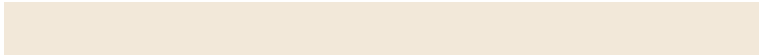
77.1198, 81.6002, 101.5119



81.8625, 81.6002, 90.1135

Rectangle

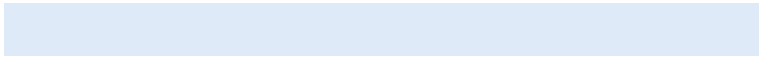
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9989, 81.6002, 77.2851



74.6406, 81.6002, 80.3873



77.1198, 81.6002, 101.5119



80.5516, 81.6002, 97.8841

Sweetspot

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



78.0011, 81.6038, 77.2868



92.8746, 97.5810, 102.2191



75.2969, 74.0502, 82.9986



19.7569, 20.7498, 21.5064



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.



78.0011, 81.6038, 77.2868



86.7294, 90.6246, 83.7269



80.0430, 86.9527, 78.2117



16.5619, 17.3369, 16.6232



25.2684, 21.3348, 2.7862



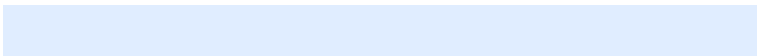
2.1991, 1.9689, 0.2641

Inverse Universe

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



72.1111, 76.0993, 94.8931



79.0930, 83.4881, 106.5539



70.2050, 71.1755, 94.0431



15.4159, 16.2659, 20.0487



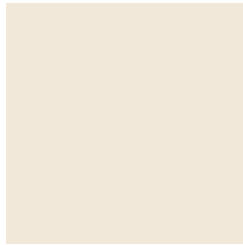
11.0192, 8.2625, 46.1419



1.0114, 0.8769, 3.8702

Previews

White Background



This preview shows how the XYZ color 77.9989, 81.6002, 77.2851 looks on a white background.

Color Contrast Check

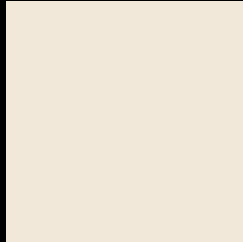
Large Text (above 18pt) WCAG AA × Fail

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 77.9989, 81.6002, 77.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

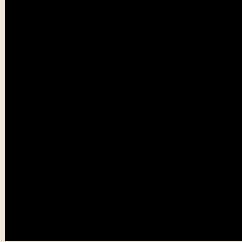
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

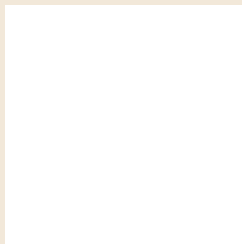
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9989, 81.6002, 77.2851

Background



This preview shows how black text looks on a background with the XYZ color 77.9989, 81.6002, 77.2851.



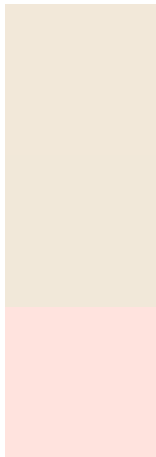
This preview shows how white text looks on a background with the XYZ color 77.9989, 81.6002,

77.2851.

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

77.9989, 81.6002, 77.2851

Protanopia

77.6566, 81.4238, 77.2691

Deuteranopia

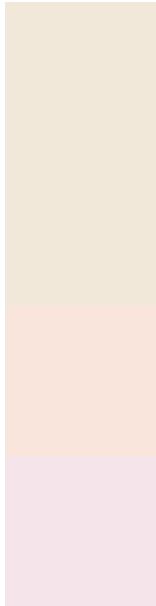
81.8939, 81.4721, 80.5167



Tritanopia

82.3840, 81.7335, 98.6228

Trichromacy



Original Color

77.9989, 81.6002, 77.2851

Protanomaly

77.6566, 81.4238, 77.2691

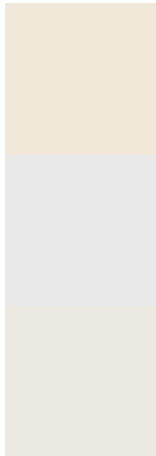
Deuteranomaly

80.3619, 81.5299, 79.2115

Tritanomaly

80.6709, 81.4493, 90.0667

Monochromacy



Original Color

77.9989, 81.6002, 77.2851

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5961, 81.6567, 84.3446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9989, 81.6002, 77.2851 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(242, 232, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 232, 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(242, 232, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 232, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.9989, 81.6002, 77.2851 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(242, 232, 217) }
```


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

```
.border{ border-color:rgb(242, 232, 217) }
```

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

Here you see how a box with a 4 pixel rgb(242, 232, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 232, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 232, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 232,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9989, 81.6002, 77.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 232, 217) }
```

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

```
.background{ background-color: rgb(242,  
232, 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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