

Converting Colors

XYZ(77.2680, 81.1900, 79.7089)

Have a look what the booklet for
XYZ(77.2680, 81.1900, 79.7089)
contains.

XYZ(77.1677, 81.1108, 79.9954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.1677, 81.1108,
79.9954)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE8DD
RGB	238, 232, 221
RGB Percent	93%, 91%, 87%
CMY	0.0667, 0.0902, 0.1333
CMYK	0.00, 0.03, 0.07, 0.07
HSL	39°, 33%, 90%
HSV	39°, 7%, 93%
XYZ	77.1677, 81.1108, 79.9954
YIQ	232.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

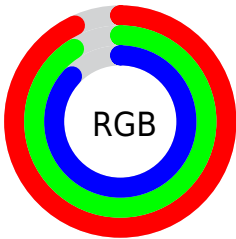
Format	Color
R _Y B	230, 238, 221
Decimal	15657181
CIE Lab	92.18, 0.15, 6.05
CIE LCh	92, 6.054, 88.582
Yxy	81.1108, 0.3239, 0.3404
Android (android.graphics.Color)	4293847261 (0xFFEEE8DD)
YUV	232.5400, -5.6892, 4.7884
Hunter-Lab	90.0615, -4.6630, 10.3799

Details

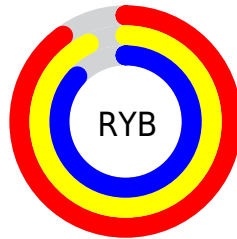
The XYZ color **77.1677, 81.1108, 79.9954** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.7205, 76.4824, 91.8198**, and the grayscale version is **77.1460, 81.1636, 88.3871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6997, 43.7489, 42.3230** is the 20% darker color. If you saturate the color by 10%, you get **71.9129, 75.3205, 63.6926**, and if you desaturate by 10%, it is **82.9895, 87.3138, 98.7069**.

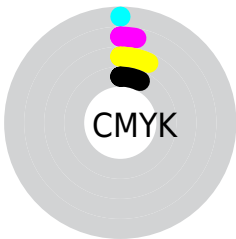
Distribution



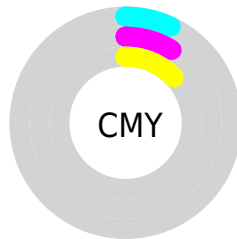
- Red (93%)
- Green (91%)
- Blue (87%)



- Red (90%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1677, 81.1108, 79.9954 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 77.1677, 81.1108, 79.9954 by changing the saturation by 10% instead.

■ 77.1677, 81.1108,
79.9954

■ 77.1677, 81.1108,
79.9954

474.2188,
498.6685, 514.6237

■ 57.6909, 60.6329,
59.1884

128.3478,
134.9263, 135.1706

■ 41.8025, 43.9289,
42.3438

160.7818,
169.0327, 170.3759

■ 29.1371, 30.6146,
29.0430

198.2656,
208.4507, 211.2177

■ 19.3294, 20.3056,
18.8675

241.1645,
253.5647, 258.1146

■ 12.0139, 12.6174,
11.3987

289.8439,
304.7591, 311.4851

■ 6.8254, 7.1656,
6.2182

344.6692,

■ 3.3985, 3.5659,

362.4182, 371.7478

2.9073

406.0057,
426.9265, 439.3211

■ 1.3678, 1.4338,
1.0475

■ 0.2331, 0.2414,
0.0000

■ 77.1677, 81.1108,
79.9954

■ 77.1677, 81.1108,
79.9954

■ 71.9129, 75.3205,
63.6926

■ 82.9895, 87.3138,
98.7069

■ 67.1979, 69.9216,
49.6936

■ 87.1225, 93.0216,
107.9709

■ 63.0032, 64.9064,
37.8937

■ 89.0704, 96.9174,
108.6202

■ 59.3056, 60.2629,
28.1776

■ 56.0796, 55.9784,
20.4198

■ 53.2970, 52.0389,
14.4810

■ 50.9264, 48.4289,
10.2032

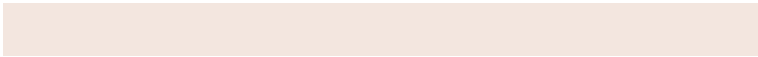
■ 48.9308, 45.1309,
7.4011

■ 47.2629, 42.1229,
5.8348

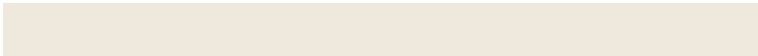
Harmonies

Analogous

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



78.6691, 81.1108, 81.1790



77.1677, 81.1108, 79.9954



75.6658, 81.1108, 80.9780

Triad

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



77.1677, 81.1108, 79.9954



74.4867, 81.1108, 92.4940



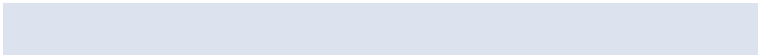
79.6842, 81.1108, 92.8746

Complementary

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



77.1677, 81.1108, 79.9954



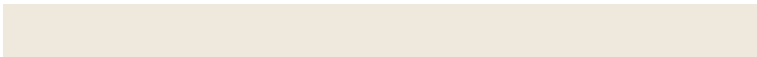
72.7205, 76.4824, 91.8198

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.



78.5388, 81.1108, 96.0842



77.1677, 81.1108, 79.9954



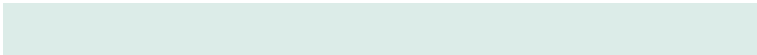
75.5388, 81.1108, 95.8593

Square

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



77.1677, 81.1108, 79.9954



74.1306, 81.1108, 88.1033



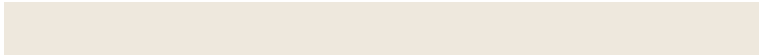
77.0191, 81.1108, 97.1942



80.1341, 81.1108, 88.5288

Rectangle

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



77.1677, 81.1108, 79.9954



74.8636, 81.1108, 82.7485



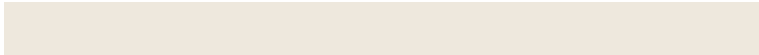
77.0191, 81.1108, 97.1942



79.3670, 81.1108, 94.1275

Sweetspot

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



77.1699, 81.1143, 79.9971



93.6685, 98.5335, 104.4423



75.0149, 75.4502, 83.4528



20.0634, 21.1057, 22.4016



0.0000, 0.0000, 0.0000



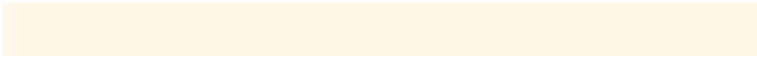
20.3446, 21.4041, 23.3091

Same Dimension

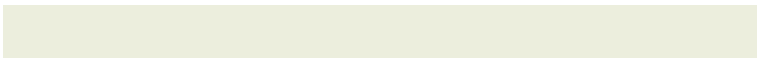
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1699, 81.1143, 79.9971



89.0445, 93.5528, 89.7455



78.1304, 84.1580, 80.5340



16.6265, 17.4662, 16.6447



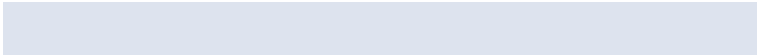
26.2498, 23.2977, 3.1134



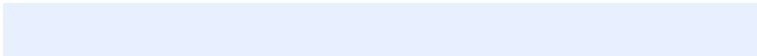
2.2769, 2.1245, 0.2901

Inverse Universe

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



72.7205, 76.4824, 91.8198



82.5476, 86.7894, 107.0091



71.8039, 73.6176, 91.3152



15.3533, 16.1408, 20.0279



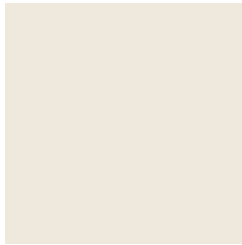
10.4861, 7.1965, 45.9643



0.9627, 0.7793, 3.8539

Previews

White Background



This preview shows how the XYZ color 77.1677, 81.1108, 79.9954 looks on a white background.

Color Contrast Check

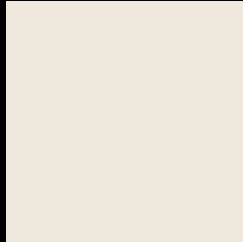
Large Text (above 18pt) WCAG AA × Fail

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 77.1677, 81.1108, 79.9954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

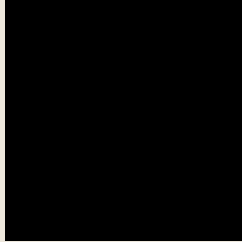
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

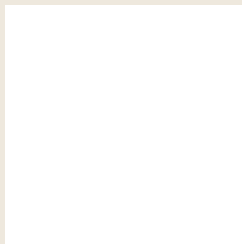
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1677, 81.1108, 79.9954

Background



This preview shows how black text looks on a background with the XYZ color 77.1677, 81.1108, 79.9954.



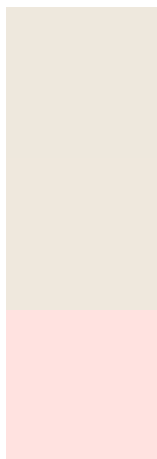
This preview shows how white text looks on a background with the XYZ color 77.1677, 81.1108,

79.9954.

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

77.1677, 81.1108, 79.9954

Protanopia

77.5044, 81.2844, 80.0112

Deuteranopia

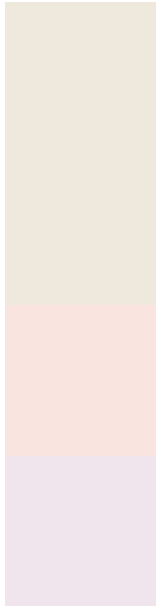
81.8909, 81.0345, 81.8461



Tritanopia

80.9959, 81.0179, 98.5578

Trichromacy



Original Color

77.1677, 81.1108, 79.9954

Protanomaly

77.5044, 81.2844, 80.0112

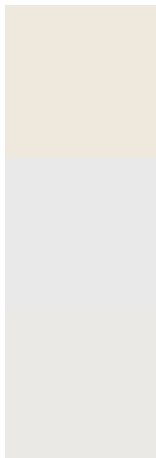
Deuteranomaly

80.1296, 80.9543, 81.2145

Tritanomaly

79.5810, 80.8538, 91.5327

Monochromacy



Original Color

77.1677, 81.1108, 79.9954

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5427, 81.5971, 85.7916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1677, 81.1108, 79.9954 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(238, 232, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 221)  
}
```

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(238, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 221) }
```

Border

The CSS property to change the border of an element to XYZ 77.1677, 81.1108, 79.9954 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(238, 232, 221) }
```


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

```
.border{ border-color:rgb(238, 232, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 232, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 232, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 232, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 232,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1677, 81.1108, 79.9954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 232, 221) }
```

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

```
.background{ background-color: rgb(238,  
232, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor