

Converting Colors

XYZ(77.2197, 81.0296, 79.5261)

Have a look what the booklet for
XYZ(77.2197, 81.0296, 79.5261)
contains.

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Color

**XYZ(77.3715, 81.2313,
79.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE8DC
RGB	239, 232, 220
RGB Percent	94%, 91%, 86%
CMY	0.0627, 0.0902, 0.1372
CMYK	0.00, 0.03, 0.08, 0.06
HSL	38°, 37%, 90%
HSV	38°, 8%, 94%
XYZ	77.3715, 81.2313, 79.3114
YIQ	232.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

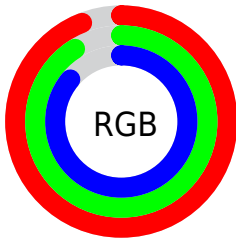
Format	Color
R _Y B	231, 239, 220
Decimal	15722716
CIE Lab	92.23, 0.33, 6.66
CIE LCh	92, 6.668, 87.170
Yxy	81.2313, 0.3252, 0.3414
Android (android.graphics.Color)	4293912796 (0xFFEFE8DC)
YUV	232.7250, -6.2734, 5.5032
Hunter-Lab	90.1284, -4.4899, 10.9157

Details

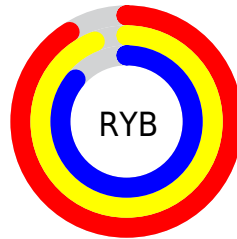
The XYZ color **77.3715, 81.2313, 79.3114** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.5641, 76.3845, 92.5814**, and the grayscale version is **77.2887, 81.3138, 88.5507**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8453, 43.8346, 41.8527** is the 20% darker color. If you saturate the color by 10%, you get **72.0152, 75.2267, 63.0098**, and if you desaturate by 10%, it is **83.3090, 87.6721, 98.0413**.

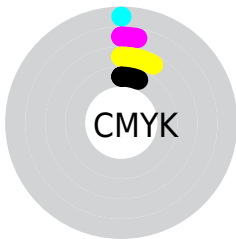
Distribution



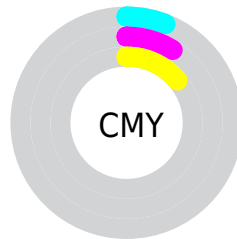
- Red (94%)
- Green (91%)
- Blue (86%)



- Red (91%)
- 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 77.3715, 81.2313, 79.3114 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 77.3715, 81.2313, 79.3114 by changing the saturation by 10% instead.

■ 77.3715, 81.2313,
79.3114

■ 77.3715, 81.2313,
79.3114

474.9023,
499.0728, 512.2546

■ 57.8588, 60.7321,
58.6290

128.6338,
135.0955, 134.1998

■ 41.9380, 44.0090,
41.8965

161.1142,
169.2293, 169.2429

■ 29.2436, 30.6776,
28.6953

198.6478,
208.6768, 209.9100

■ 19.4104, 20.3535,
18.6069

241.6000,
253.8223, 256.6197

■ 12.0730, 12.6522,
11.2126

290.3362,
305.0502, 309.7905

■ 6.8659, 7.1895,
6.0941

345.2218,

■ 3.4240, 3.5809,

362.7450, 369.8408

2.8326

406.6220,
427.2911, 437.1894

■ 1.3817, 1.4420,
1.0098

■ 0.2432, 0.2474,
0.0000

■ 77.3715, 81.2313,
79.3114

■ 77.3715, 81.2313,
79.3114

■ 72.0152, 75.2267,
63.0098

■ 83.3090, 87.6721,
98.0413

■ 67.2124, 69.6365,
49.0299

■ 87.7100, 93.6969,
108.0702

■ 62.9430, 64.4523,
37.2653

■ 89.4070, 97.0909,
108.6359

■ 59.1831, 59.6615,
27.5986

■ 55.9065, 55.2506,
19.9020

■ 53.0844, 51.2049,
14.0332

■ 50.6842, 47.5082,
9.8308

■ 48.6679, 44.1418,
7.1047

■ 46.9839, 41.0818,
5.5940

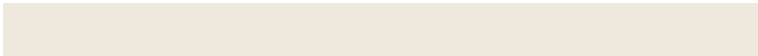
Harmonies

Analogous

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



79.0167, 81.2313, 80.7170



77.3715, 81.2313, 79.3114



75.7061, 81.2313, 80.2774

Triad

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



77.3715, 81.2313, 79.3114



74.2999, 81.2313, 92.8475



80.0232, 81.2313, 93.6875

Complementary

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



77.3715, 81.2313, 79.3114



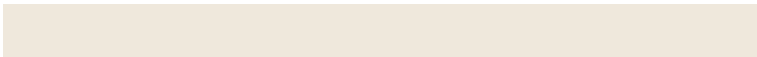
72.5641, 76.3845, 92.5814

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.



78.7295, 81.2313, 97.1531



77.3715, 81.2313, 79.3114



75.4270, 81.2313, 96.6555

Square

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



77.3715, 81.2313, 79.3114



73.9484, 81.2313, 87.9797



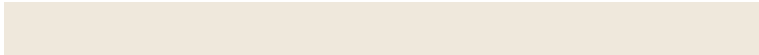
77.0446, 81.2313, 98.2587



80.5619, 81.2313, 88.9161

Rectangle

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



77.3715, 81.2313, 79.3114



74.8054, 81.2313, 82.1568



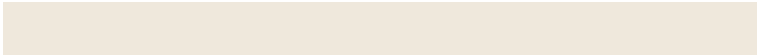
77.0446, 81.2313, 98.2587



79.6613, 81.2313, 95.0505

Sweetspot

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



77.3737, 81.2348, 79.3131



93.6435, 98.4836, 104.4340



75.0951, 75.1000, 83.4171



20.0583, 21.0955, 22.3999



0.0000, 0.0000, 0.0000



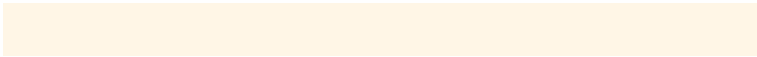
20.3446, 21.4041, 23.3091

Same Dimension

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



77.3737, 81.2348, 79.3131



88.2905, 92.6205, 87.7194



78.6385, 84.8685, 79.9479



16.6053, 17.4236, 16.6376



25.9171, 22.6322, 3.0025



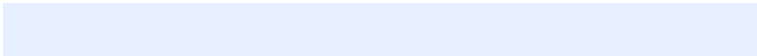
2.2507, 2.0721, 0.2813

Inverse Universe

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



72.5641, 76.3845, 92.5814



81.3568, 85.6282, 106.8477



71.3649, 72.9834, 91.9881



15.3739, 16.1818, 20.0347



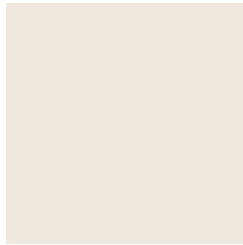
10.6528, 7.5297, 46.0198



0.9781, 0.8102, 3.8591

Previews

White Background



This preview shows how the XYZ color 77.3715, 81.2313, 79.3114 looks on a white background.

Color Contrast Check

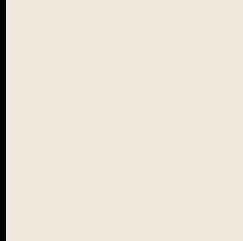
Large Text (above 18pt) WCAG AA × Fail

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 77.3715, 81.2313, 79.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

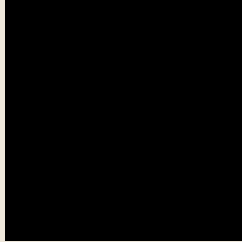
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

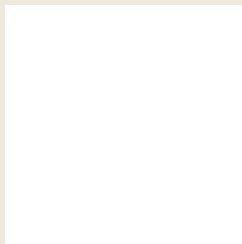
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3715, 81.2313, 79.3114

Background



This preview shows how black text looks on a background with the XYZ color 77.3715, 81.2313, 79.3114.

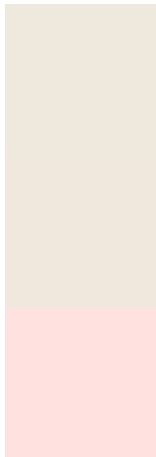


This preview shows how white text looks on a background with the XYZ color 77.3715, 81.2313,

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

77.3715, 81.2313, 79.3114

Protanopia

77.7101, 81.4058, 79.3273

Deuteranopia

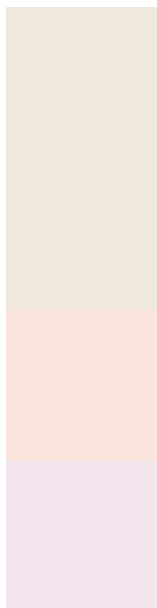
81.7556, 80.9804, 81.1338



Tritanopia

81.3401, 81.1953, 98.5740

Trichromacy



Original Color

77.3715, 81.2313, 79.3114

Protanomaly

77.7101, 81.4058, 79.3273

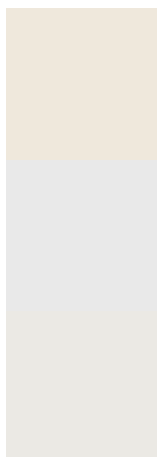
Deuteranomaly

79.9951, 80.9005, 80.5064

Tritanomaly

79.9233, 81.0303, 91.5488

Monochromacy



Original Color

77.3715, 81.2313, 79.3114

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4035, 81.5414, 85.0583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3715, 81.2313, 79.3114 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, 232, 220) looks like.

```
.text, #text, p{  
    color:rgb(239, 232, 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, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 232, 220) }
```

Border

The CSS property to change the border of an element to XYZ 77.3715, 81.2313, 79.3114 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, 232, 220) }
```


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

```
.border{ border-color:rgb(239, 232, 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, 232, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(239, 232,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3715, 81.2313, 79.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 232, 220) }
```

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

```
.background{ background-color: rgb(239,  
232, 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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