

Converting Colors

XYZ(77.5375, 81.5846, 79.4309)

Have a look what the booklet for
XYZ(77.5375, 81.5846, 79.4309)
contains.

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Color

**XYZ(77.6538, 81.7959,
79.4055)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE9DC
RGB	239, 233, 220
RGB Percent	94%, 91%, 86%
CMY	0.0627, 0.0863, 0.1372
CMYK	0.00, 0.03, 0.08, 0.06
HSL	41°, 37%, 90%
HSV	41°, 8%, 94%
XYZ	77.6538, 81.7959, 79.4055
YIQ	233.3120, 7.7490, -2.7710

Conversions

Conversions Part 2

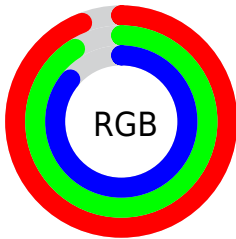
Format	Color
R _Y B	229, 239, 220
Decimal	15722972
CIE Lab	92.48, -0.18, 7.02
CIE LCh	92, 7.022, 91.485
Yxy	81.7959, 0.3251, 0.3424
Android (android.graphics.Color)	4293913052 (0xFFEFE9DC)
YUV	233.3120, -6.5628, 4.9884
Hunter-Lab	90.4411, -5.0097, 11.2533

Details

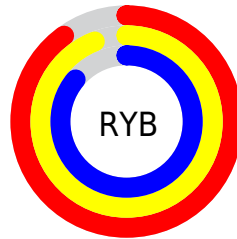
The XYZ color **77.6538, 81.7959, 79.4055** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.2914, 75.8390, 92.4905**, and the grayscale version is **77.7329, 81.7811, 89.0596**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0421, 44.2282, 41.9183** is the 20% darker color. If you saturate the color by 10%, you get **72.6232, 76.4428, 63.2125**, and if you desaturate by 10%, it is **83.2327, 87.5197, 98.0159**.

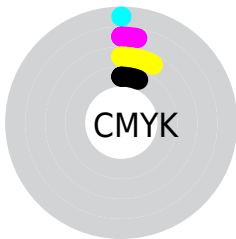
Distribution



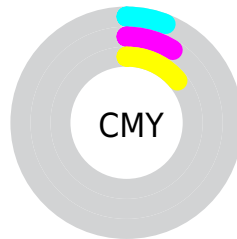
- Red (94%)
- Green (91%)
- Blue (86%)



- Red (90%)
- 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 77.6538, 81.7959, 79.4055 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 77.6538, 81.7959, 79.4055 by changing the saturation by 10% instead.

77.6538, 81.7959,
79.4055

77.6538, 81.7959,
79.4055

475.8481,
500.9647, 512.5809

58.0914, 61.1973,
58.7060

129.0299,
135.8877, 134.3334

42.1257, 44.3844,
41.9580

161.5744,
170.1498, 169.3989

29.3913, 30.9728,
28.7431

199.1769,
209.7351, 210.0901

19.5228, 20.5782,
18.6427

242.2029,
255.0281, 256.8255

12.1549, 12.8160,
11.2382

291.0176,
306.4132, 310.0238

6.9222, 7.3020,
6.1111

345.9865,

3.4594, 3.6517,

364.2747, 370.1034

2.8429

407.4749,
428.9971, 437.4830

■ 1.4011, 1.4807,
1.0150

■ 0.2570, 0.2751,
0.0000

■ 77.6538, 81.7959,
79.4055

■ 77.6538, 81.7959,
79.4055

■ 72.6232, 76.4428,
63.2125

■ 83.2327, 87.5197,
98.0159

■ 68.1141, 71.4399,
49.3305

■ 87.2418, 92.7606,
107.9142

■ 64.1069, 66.7801,
37.6532

■ 89.4070, 97.0909,
108.6359

■ 60.5785, 62.4523,
28.0637

■ 57.5034, 58.4445,
20.4343

■ 54.8536, 54.7434,
14.6230

■ 52.5973, 51.3343,
10.4685

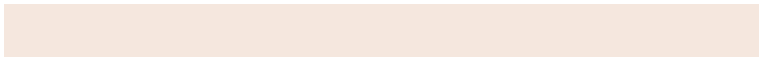
■ 50.6972, 48.2004,
7.7811

■ 49.1026, 45.3192,
6.3002

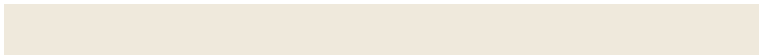
Harmonies

Analogous

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



79.4287, 81.7959, 80.5349



77.6538, 81.7959, 79.4055



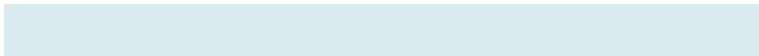
75.9295, 81.7959, 80.7783

Triad

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



77.6538, 81.7959, 79.4055



74.7957, 81.7959, 94.4044



80.8631, 81.7959, 93.9370

Complementary

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



77.6538, 81.7959, 79.4055



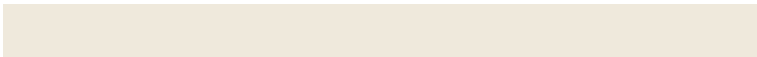
72.2914, 75.8390, 92.4905

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.



79.5883, 81.7959, 97.8931



77.6538, 81.7959, 79.4055



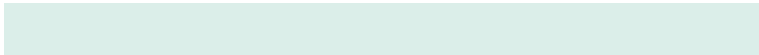
76.0844, 81.7959, 98.1703

Square

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



77.6538, 81.7959, 79.4055



74.2954, 81.7959, 89.3221



77.8354, 81.7959, 99.4709



81.2989, 81.7959, 88.8021

Rectangle

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



77.6538, 81.7959, 79.4055



75.0360, 81.7959, 82.9600



77.8354, 81.7959, 99.4709



80.5175, 81.7959, 95.4557

Sweetspot

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



77.6561, 81.7995, 79.4073



93.7284, 98.6534, 104.4623



74.9206, 75.0302, 82.4981



20.0756, 21.1301, 22.4057



0.0000, 0.0000, 0.0000



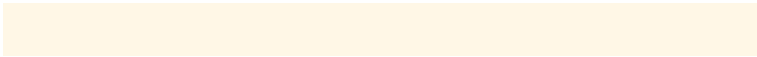
20.3446, 21.4041, 23.3091

Same Dimension

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



77.6561, 81.7995, 79.4073



88.6993, 93.4382, 87.8557



78.2175, 84.6515, 79.9282



16.6778, 17.5687, 16.6618



27.0896, 24.9772, 3.3933



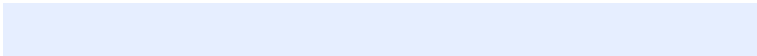
2.3424, 2.2554, 0.3119

Inverse Universe

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



72.2914, 75.8390, 92.4905



80.9655, 84.8457, 106.7173



71.7548, 73.1844, 92.0064



15.3043, 16.0427, 20.0115



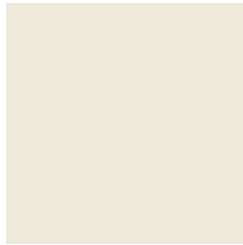
10.1196, 6.4635, 45.8421



0.9278, 0.7095, 3.8423

Previews

White Background



This preview shows how the XYZ color 77.6538, 81.7959, 79.4055 looks on a white background.

Color Contrast Check

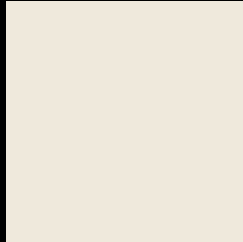
Large Text (above 18pt) WCAG AA × Fail

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 77.6538, 81.7959, 79.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

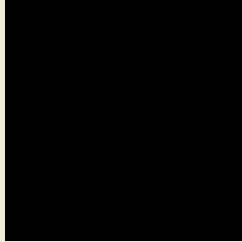
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

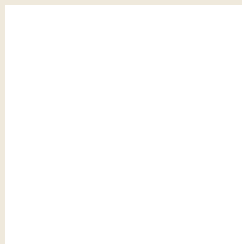
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6538, 81.7959, 79.4055

Background



This preview shows how black text looks on a background with the XYZ color 77.6538, 81.7959, 79.4055.



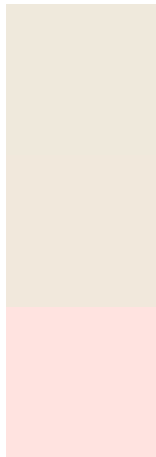
This preview shows how white text looks on a background with the XYZ color 77.6538, 81.7959,

79.4055.

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

77.6538, 81.7959, 79.4055

Protanopia

78.0505, 81.5813, 79.3432

Deuteranopia

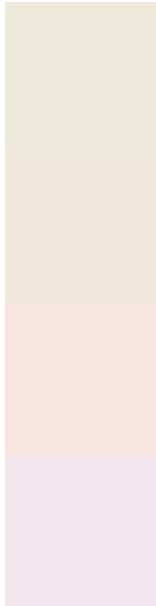
82.1636, 81.5800, 81.9370



Tritanopia

81.7700, 81.8087, 99.4766

Trichromacy



Original Color

77.6538, 81.7959, 79.4055

Protanomaly

77.7101, 81.4058, 79.3273

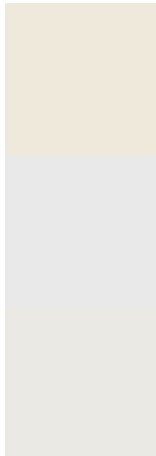
Deuteranomaly

80.4055, 81.5061, 81.3065

Tritanomaly

80.2008, 81.5853, 91.6413

Monochromacy



Original Color

77.6538, 81.7959, 79.4055

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 77.6538, 81.7959, 79.4055 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, 233, 220) looks like.

```
.text, #text, p{  
    color:rgb(239, 233, 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, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 233, 220) }
```

Border

The CSS property to change the border of an element to XYZ 77.6538, 81.7959, 79.4055 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, 233, 220) }
```


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

```
.border{ border-color:rgb(239, 233, 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, 233, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(239, 233,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6538, 81.7959, 79.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 233, 220) }
```

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

```
.background{ background-color: rgb(239,  
233, 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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