

Converting Colors

XYZ(77.7963, 80.8074, 79.9153)

Have a look what the booklet for
XYZ(77.7963, 80.8074, 79.9153)
contains.

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Color

**XYZ(77.6236, 80.5149,
79.8563)**

Conversions

Conversions Part 1

Format	Color
Hex	F1E6DD
RGB	241, 230, 221
RGB Percent	95%, 90%, 87%
CMY	0.0549, 0.0980, 0.1333
CMYK	0.00, 0.05, 0.08, 0.05
HSL	27°, 42%, 91%
HSV	27°, 8%, 95%
XYZ	77.6236, 80.5149, 79.8563
YIQ	232.2630, 9.4450, -0.4670

Conversions

Conversions Part 2

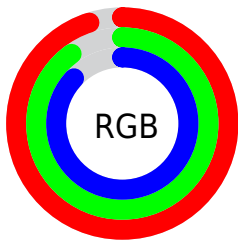
Format	Color
RYB	241, 237, 221
Decimal	15853277
CIELab	91.92, 2.21, 5.70
CIElCh	92, 6.112, 68.791
Yxy	80.5149, 0.3262, 0.3383
Android (android.graphics.Color)	4294043357 (0xFFFF1E6DD)
YUV	232.2630, -5.5527, 7.6623
Hunter-Lab	89.7301, -2.6111, 10.0453

Details

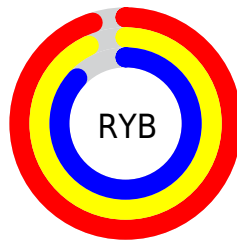
The XYZ color **77.6236, 80.5149, 79.8563** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5524, 79.4348, 94.6231**, and the grayscale version is **76.9360, 80.9426, 88.1465**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2205, 43.7274, 42.2914** is the 20% darker color. If you saturate the color by 10%, you get **71.0928, 72.2278, 62.9585**, and if you desaturate by 10%, it is **84.9001, 89.5540, 99.2786**.

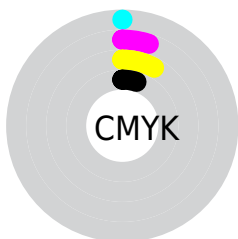
Distribution



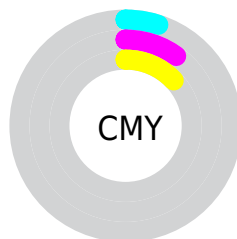
- Red (95%)
- Green (90%)
- Blue (87%)



- Red (95%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (8%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6236, 80.5149, 79.8563 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 77.6236, 80.5149, 79.8563 by changing the saturation by 10% instead.

77.6236, 80.5149,
79.8563

77.6236, 80.5149,
79.8563

475.7470,
496.6664, 514.1424

58.0665, 60.1422,
59.0746

128.9876,
134.0894, 134.9733

42.1056, 43.5332,
42.2528

161.5252,
168.0600, 170.1456

29.3755, 30.3037,
28.9722

199.1203,
207.3319, 210.9520

19.5107, 20.0692,
18.8144

242.1384,
252.2897, 257.8109

12.1461, 12.4454,
11.3608

290.9448,
303.3176, 311.1408

6.9162, 7.0478,
6.1929

345.9047,

3.4556, 3.4920,

360.8001, 371.3603

2.8920

407.3837,
425.1216, 438.8880

■ 1.3990, 1.3937,
1.0398

■ 0.2555, 0.2120,
0.0000

■ 77.6236, 80.5149,
79.8563

■ 77.6236, 80.5149,
79.8563

■ 71.0928, 72.2278,
62.9585

■ 84.9001, 89.5540,
99.2786

■ 65.2754, 64.6620,
48.4751

■ 90.0860, 97.4410,
108.6677

■ 60.1462, 57.7997,
36.2953

■ 55.6758, 51.6186,
26.2977

■ 51.8327, 46.0951,
18.3495

■ 48.5821, 41.2035,
12.3033

■ 45.8851, 36.9165,
7.9916

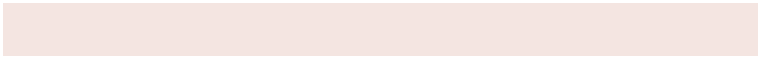
■ 43.6968, 33.2033,
5.2170

■ 41.9567, 30.0263,
3.7021

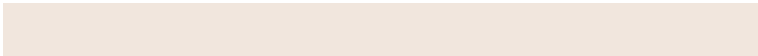
Harmonies

Analogous

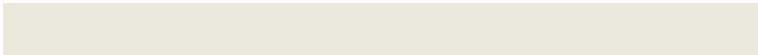
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9026, 80.5149, 82.3648



77.6236, 80.5149, 79.8563



76.0668, 80.5149, 79.4026

Triad

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



77.6236, 80.5149, 79.8563



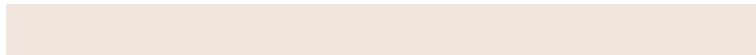
73.5841, 80.5149, 88.9942



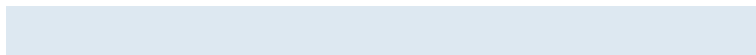
78.4326, 80.5149, 94.5754

Complementary

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



77.6236, 80.5149, 79.8563



74.5524, 79.4348, 94.6231

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.



76.9890, 80.5149, 96.4859



77.6236, 80.5149, 79.8563



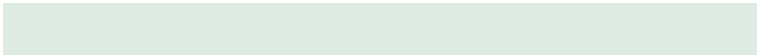
74.1995, 80.5149, 93.1921

Square

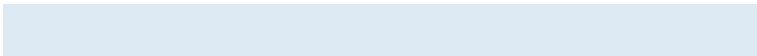
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6236, 80.5149, 79.8563



73.7488, 80.5149, 84.5783



75.4408, 80.5149, 95.9712



79.3741, 80.5149, 90.8300

Rectangle

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



77.6236, 80.5149, 79.8563



75.0832, 80.5149, 80.3109



75.4408, 80.5149, 95.9712



77.9892, 80.5149, 95.4592

Sweetspot

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



77.6258, 80.5184, 79.8580



93.3517, 97.8999, 104.3367



76.6986, 76.2410, 87.0185



19.9989, 20.9767, 22.3801



0.0000, 0.0000, 0.0000



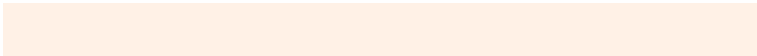
20.3446, 21.4041, 23.3091

Same Dimension

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



77.6258, 80.5184, 79.8580



86.9024, 89.8443, 87.2567



80.4878, 86.2424, 80.8120



16.3588, 16.9308, 16.5555



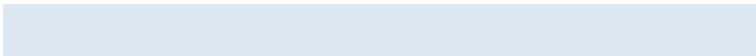
22.7389, 16.2758, 1.9431



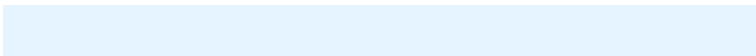
1.9896, 1.5500, 0.1943

Inverse Universe

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



74.5524, 79.4348, 94.6231



82.7291, 88.3728, 107.3051



71.8183, 73.9667, 93.7118



15.6177, 16.6694, 20.1160



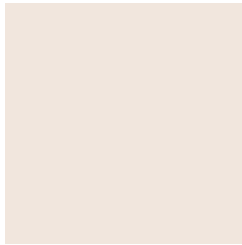
13.2576, 12.7394, 46.8881



1.2021, 1.2583, 3.9337

Previews

White Background



This preview shows how the XYZ color 77.6236, 80.5149, 79.8563 looks on a white background.

Color Contrast Check

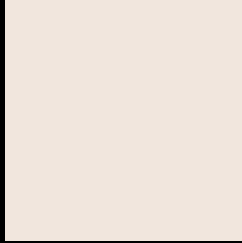
Large Text (above 18pt) WCAG AA × Fail

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 77.6236, 80.5149, 79.8563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

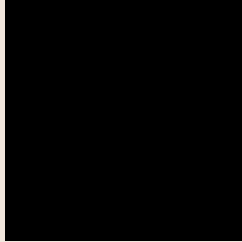
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

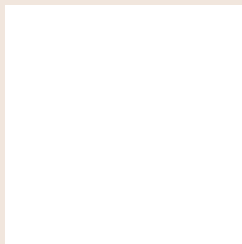
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6236, 80.5149, 79.8563

Background



This preview shows how black text looks on a background with the XYZ color 77.6236, 80.5149, 79.8563.



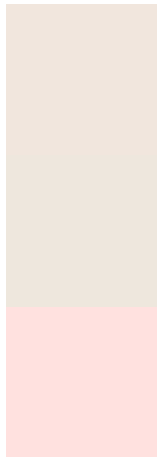
This preview shows how white text looks on a background with the XYZ color 77.6236, 80.5149,

79.8563.

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

77.6236, 80.5149, 79.8563

Protanopia

76.8870, 80.5494, 79.9018

Deuteranopia

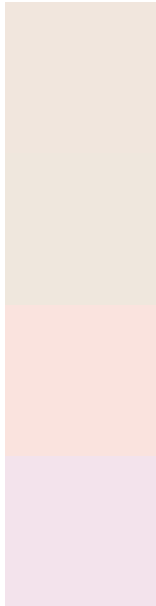
81.4845, 80.4381, 81.0435



Tritanopia

80.8337, 80.1575, 96.7995

Trichromacy



Original Color

77.6236, 80.5149, 79.8563

Protanomaly

77.2237, 80.7230, 79.9176

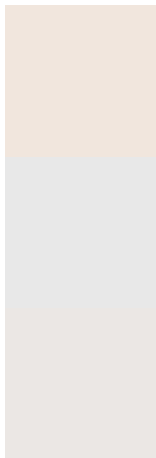
Deuteranomaly

80.0782, 80.5361, 80.4317

Tritanomaly

79.5716, 80.0490, 90.6140

Monochromacy



Original Color

77.6236, 80.5149, 79.8563

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8405, 80.4154, 84.8706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6236, 80.5149, 79.8563 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(241, 230, 221) looks like.

```
.text, #text, p{  
    color:rgb(241, 230, 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(241, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 230, 221) }
```

Border

The CSS property to change the border of an element to XYZ 77.6236, 80.5149, 79.8563 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(241, 230, 221) }
```


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

```
.border{ border-color:rgb(241, 230, 221) }
```

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

Here you see how a box with a 4 pixel rgb(241, 230, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(241, 230,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6236, 80.5149, 79.8563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 230, 221) }
```

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

```
.background{ background-color: rgb(241,  
230, 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](#).

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