

Converting Colors

XYZ(76.2969, 80.5371, 77.9093)

Have a look what the booklet for
XYZ(76.2969, 80.5371, 77.9093)
contains.

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Color

**XYZ(76.4366, 80.7797,
77.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE8DA
RGB	237, 232, 218
RGB Percent	93%, 91%, 85%
CMY	0.0706, 0.0902, 0.1451
CMYK	0.00, 0.02, 0.08, 0.07
HSL	44°, 35%, 89%
HSV	44°, 8%, 93%
XYZ	76.4366, 80.7797, 77.8931
YIQ	231.8990, 7.4740, -3.2940

Conversions

Conversions Part 2

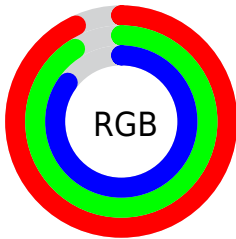
Format	Color
R _Y B	225, 237, 218
Decimal	15591642
CIE Lab	92.03, -0.69, 7.39
CIE LCh	92, 7.425, 95.352
Yxy	80.7797, 0.3251, 0.3436
Android (android.graphics.Color)	4293781722 (0xFFE8DA)
YUV	231.8990, -6.8522, 4.4736
Hunter-Lab	89.8775, -5.4798, 11.5301

Details

The XYZ color **76.4366, 80.7797, 77.8931** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.5872, 73.7942, 90.6451**, and the grayscale version is **76.6738, 80.6668, 87.8462**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1922, 43.5188, 40.8792** is the 20% darker color. If you saturate the color by 10%, you get **71.8320, 76.1833, 62.1356**, and if you desaturate by 10%, it is **81.5514, 85.6850, 96.0105**.

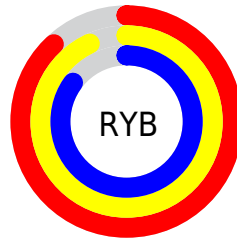
Distribution



Red (93%)

Green (91%)

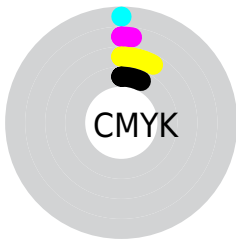
Blue (85%)



Red (88%)

Yellow (93%)

Blue (85%)

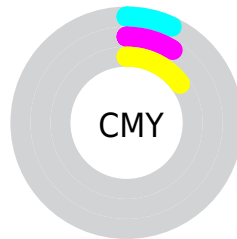


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4366, 80.7797, 77.8931 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 76.4366, 80.7797, 77.8931 by changing the saturation by 10% instead.

■ 76.4366, 80.7797,
77.8931

■ 76.4366, 80.7797,
77.8931

471.7624,
497.5566, 507.3220

■ 57.0889, 60.3602,
57.4702

127.3209,
134.4614, 132.1839

■ 41.3170, 43.7090,
40.9710

159.5883,
168.4924, 166.8889

■ 28.7557, 30.4418,
27.9769

196.8929,
207.8293, 207.1918

■ 19.0394, 20.1742,
18.0694

239.6002,
252.8565, 253.5110

■ 11.8029, 12.5217,
10.8298

288.0754,
303.9584, 306.2651

■ 6.6809, 7.1000,
5.8398

342.6839,

■ 3.3079, 3.5247,

361.5195, 365.8726

2.6807

403.7911,
425.9241, 432.7520

■ 1.3186, 1.4114,
0.9337

■ 0.1971, 0.2251,
0.0000

■ 76.4366, 80.7797,
77.8931

■ 76.4366, 80.7797,
77.8931

■ 71.8320, 76.1833,
62.1356

■ 81.5514, 85.6850,
96.0105

■ 67.7115, 71.8764,
48.6340

■ 85.4674, 90.2086,
107.5151

■ 64.0568, 67.8533,
37.2840

■ 87.3792, 94.0321,
108.1524

■ 60.8453, 64.1040,
27.9714

■ 88.7355, 96.7448,
108.6045

■ 58.0528, 60.6176,
20.5710

■ 55.6523, 57.3823,
14.9439

■ 53.6131, 54.3846,
10.9323

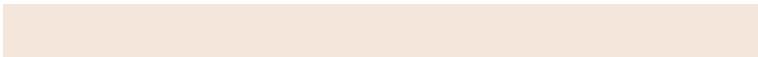
■ 51.8992, 51.6092,
8.3501

■ 50.4612, 49.0350,
6.9401

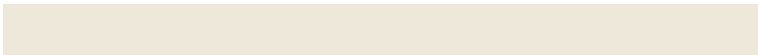
Harmonies

Analogous

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



78.3205, 80.7797, 78.7376



76.4366, 80.7797, 77.8931



74.6732, 80.7797, 79.6525

Triad

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



76.4366, 80.7797, 77.8931



73.8220, 80.7797, 94.1827



80.1653, 80.7797, 92.4152

Complementary

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



76.4366, 80.7797, 77.8931



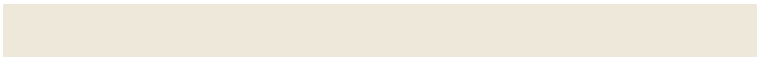
70.5872, 73.7942, 90.6451

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.



78.9234, 80.7797, 96.8161



76.4366, 80.7797, 77.8931



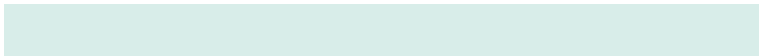
75.2572, 80.7797, 97.8658

Square

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



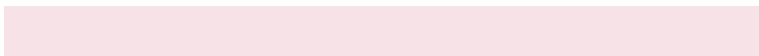
76.4366, 80.7797, 77.8931



73.1798, 80.7797, 88.9402



77.1218, 80.7797, 98.8489



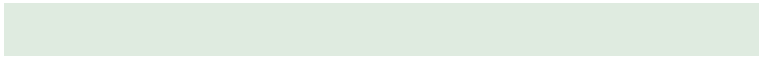
80.4937, 80.7797, 86.9779

Rectangle

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



76.4366, 80.7797, 77.8931



73.7968, 80.7797, 82.1099



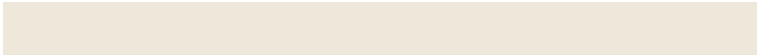
77.1218, 80.7797, 98.8489



79.8399, 80.7797, 94.0718

Sweetspot

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



76.4388, 80.7832, 77.8948



93.8133, 98.8233, 104.4906



73.3259, 73.4799, 80.1787



20.0929, 21.1646, 22.4115



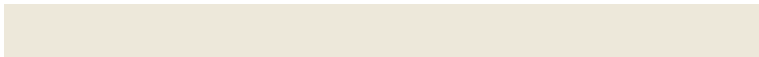
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



76.4388, 80.7832, 77.8948



89.1110, 94.2616, 87.9929



76.4031, 82.8822, 78.3019



15.9974, 16.9178, 15.9410



27.5165, 26.7272, 3.7086



2.2383, 2.2540, 0.3171

Inverse Universe

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



70.5872, 73.7942, 90.6451



80.5773, 84.0693, 106.5879



70.6157, 71.8566, 90.2696



14.5533, 15.1930, 19.0877



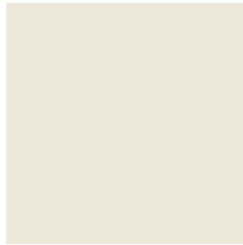
9.3865, 5.4199, 44.2944



0.8134, 0.5784, 3.5036

Previews

White Background



This preview shows how the XYZ color 76.4366, 80.7797, 77.8931 looks on a white background.

Color Contrast Check

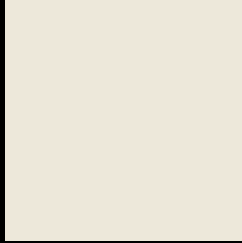
Large Text (above 18pt) WCAG AA × Fail

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 76.4366, 80.7797, 77.8931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

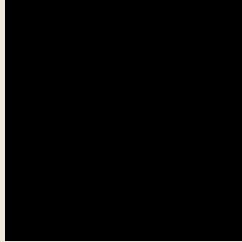
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

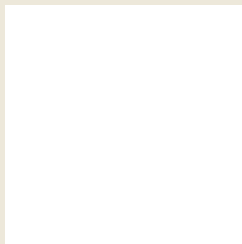
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4366, 80.7797, 77.8931

Background



This preview shows how black text looks on a background with the XYZ color 76.4366, 80.7797, 77.8931.

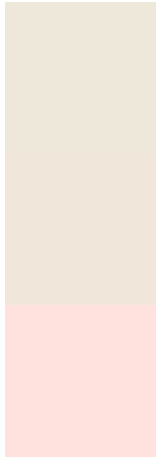


This preview shows how white text looks on a background with the XYZ color 76.4366, 80.7797,

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

76.4366, 80.7797, 77.8931

Protanopia

77.1660, 80.7390, 77.8468

Deuteranopia

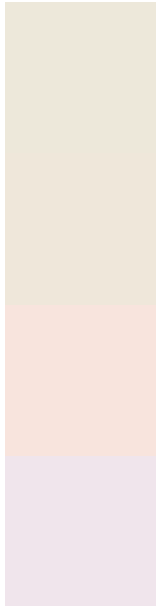
81.3500, 80.3844, 80.3354



Tritanopia

80.6536, 80.8414, 98.5418

Trichromacy



Original Color

76.4366, 80.7797, 77.8931

Protanomaly

76.8274, 80.5645, 77.8309

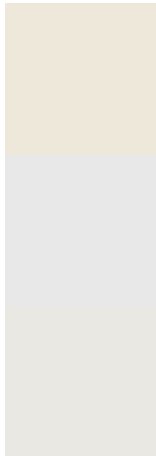
Deuteranomaly

79.5059, 80.6637, 79.7859

Tritanomaly

79.0948, 80.6200, 90.7494

Monochromacy



Original Color

76.4366, 80.7797, 77.8931

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6534, 80.7517, 84.2196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4366, 80.7797, 77.8931 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(237, 232, 218) looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 218)  
}
```

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(237, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 218) }
```

Border

The CSS property to change the border of an element to XYZ 76.4366, 80.7797, 77.8931 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(237, 232, 218) }
```


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

```
.border{ border-color:rgb(237, 232, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 232, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4366, 80.7797, 77.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 218) }
```

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

```
.background{ background-color: rgb(237,  
232, 218) }
```

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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