

Converting Colors

XYZ(76.3859, 80.5422, 82.4536)

Have a look what the booklet for
XYZ(76.3859, 80.5422, 82.4536)
contains.

XYZ(76.3789, 80.6419, 82.7740)	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(76.3789, 80.6419,
82.7740)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE8E1
RGB	234, 232, 225
RGB Percent	92%, 91%, 88%
CMY	0.0823, 0.0902, 0.1176
CMYK	0.00, 0.01, 0.04, 0.08
HSL	47°, 18%, 90%
HSV	47°, 4%, 92%
XYZ	76.3789, 80.6419, 82.7740
YIQ	231.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

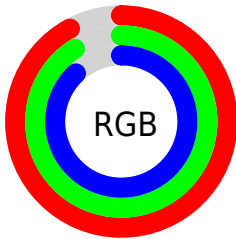
Format	Color
R_{YB}	228, 234, 225
Decimal	15395041
CIE Lab	91.97, -0.54, 3.63
CIE LCh	92, 3.667, 98.543
Yxy	80.6419, 0.3185, 0.3363
Android (android.graphics.Color)	4293585121 (0xFFEAE8E1)
YUV	231.8000, -3.3524, 1.9294
Hunter-Lab	89.8008, -5.3307, 8.2100

Details

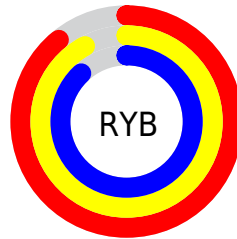
The XYZ color **76.3789, 80.6419, 82.7740** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.3717, 76.8851, 88.8161**, and the grayscale version is **76.5766, 80.5645, 87.7348**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1411, 43.4179, 44.2423** is the 20% darker color. If you saturate the color by 10%, you get **71.9646, 76.5760, 66.6178**, and if you desaturate by 10%, it is **81.2784, 84.9760, 101.2523**.

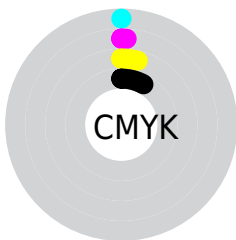
Distribution



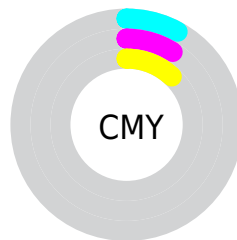
- Red (92%)
- Green (91%)
- Blue (88%)



- Red (89%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3789, 80.6419, 82.7740 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 76.3789, 80.6419, 82.7740 by changing the saturation by 10% instead.

■ 76.3789, 80.6419,
82.7740

■ 76.3789, 80.6419,
82.7740

471.5682,
497.0935, 524.1843

■ 57.0414, 60.2467,
61.4642

127.2399,
134.2678, 139.1053

■ 41.2787, 43.6175,
44.1669

159.4940,
168.2674, 174.9639

■ 28.7256, 30.3699,
30.4636

196.7845,
207.5705, 216.5091

■ 19.0166, 20.1195,
19.9357

239.4766,
252.5616, 264.1595

■ 11.7863, 12.4820,
12.1647

287.9356,
303.6250, 318.3337

■ 6.6695, 7.0728,
6.7320

342.5270,

■ 3.3008, 3.5077,

361.1452, 379.4502

3.2192

403.6161,
425.5066, 447.9276

■ 1.3147, 1.4022,
1.2076

■ 0.1942, 0.2183,
0.0000

■ 76.3789, 80.6419,
82.7740

■ 76.3789, 80.6419,
82.7740

■ 71.9646, 76.5760,
66.6178

■ 81.2784, 84.9760,
101.2523

■ 68.0108, 72.7602,
52.6851

■ 83.8485, 88.4454,
107.2601

■ 64.5003, 69.1895,
40.8783

■ 85.4182, 91.5848,
107.7834

■ 61.4125, 65.8551,
31.0901

■ 87.0321, 94.8126,
108.3213

■ 58.7250, 62.7474,
23.2040

■ 87.7421, 96.2326,
108.5580

■ 56.4128, 59.8559,
17.0915

■ 54.4484, 57.1688,
12.6082

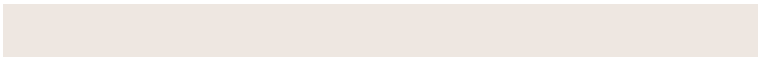
■ 52.7995, 54.6727,
9.5870

■ 51.4270, 52.3513,
7.8242

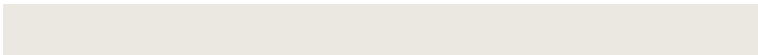
Harmonies

Analogous

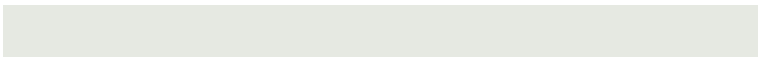
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3123, 80.6419, 83.0647



76.3789, 80.6419, 82.7740



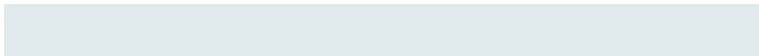
75.5244, 80.6419, 83.8097

Triad

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



76.3789, 80.6419, 82.7740



75.2395, 80.6419, 91.0779



78.3461, 80.6419, 89.7168

Complementary

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



76.3789, 80.6419, 82.7740



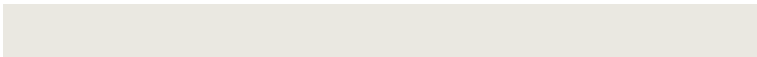
73.3717, 76.8851, 88.8161

Split Complementary

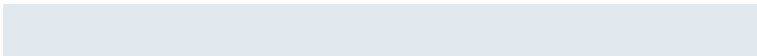
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7821, 80.6419, 91.9260



76.3789, 80.6419, 82.7740



75.9870, 80.6419, 92.7230

Square

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



76.3789, 80.6419, 82.7740



74.8702, 80.6419, 88.5783



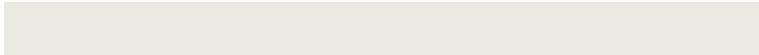
76.9171, 80.6419, 93.0365



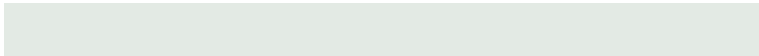
78.4532, 80.6419, 87.0368

Rectangle

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



76.3789, 80.6419, 82.7740



75.1127, 80.6419, 85.1256



76.9171, 80.6419, 93.0365



78.2034, 80.6419, 90.5407

Sweetspot

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



76.3812, 80.6454, 82.7757



94.4620, 99.4766, 106.6920



74.7369, 76.8956, 83.6499



20.2250, 21.2976, 22.8598



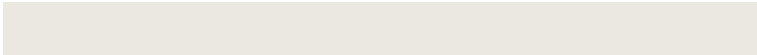
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



76.3812, 80.6454, 82.7757



92.1693, 97.4152, 98.1466



76.1635, 81.3719, 82.9274



16.4206, 17.3650, 17.3131



28.5783, 28.8508, 4.0625



2.3138, 2.4049, 0.3422

Inverse Universe

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



73.3717, 76.8851, 88.8161



87.4296, 91.4931, 107.6596



73.5825, 76.1882, 88.6705



15.4662, 16.1725, 19.2287



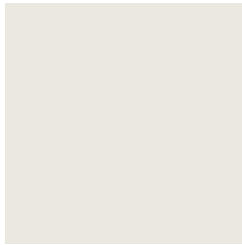
9.1094, 4.8658, 44.2020



0.7853, 0.5220, 3.4943

Previews

White Background



This preview shows how the XYZ color 76.3789, 80.6419, 82.7740 looks on a white background.

Color Contrast Check

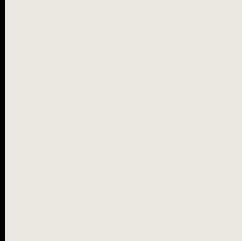
Large Text (above 18pt) WCAG AA × Fail

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 76.3789, 80.6419, 82.7740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

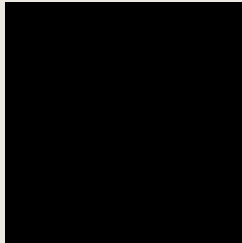
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

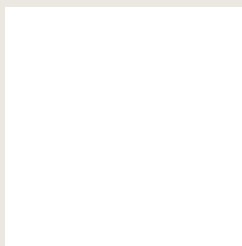
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3789, 80.6419, 82.7740

Background



This preview shows how black text looks on a background with the XYZ color 76.3789, 80.6419, 82.7740.



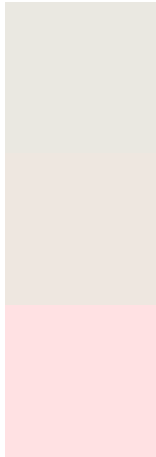
This preview shows how white text looks on a background with the XYZ color 76.3789, 80.6419,

82.7740.

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

76.3789, 80.6419, 82.7740

Protanopia

77.2904, 80.7108, 82.0261

Deuteranopia

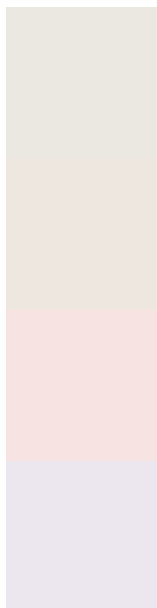
82.0303, 80.6565, 83.9178



Tritanopia

79.7329, 80.7585, 99.3813

Trichromacy



Original Color

76.3789, 80.6419, 82.7740

Protanomaly

76.9555, 80.5382, 82.0104

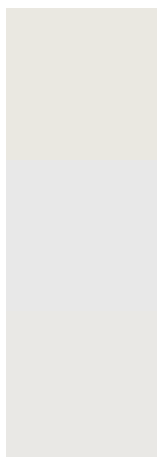
Deuteranomaly

79.8286, 80.7519, 83.3308

Tritanomaly

78.4689, 80.6585, 93.0942

Monochromacy



Original Color

76.3789, 80.6419, 82.7740

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6037, 80.6940, 85.6668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3789, 80.6419, 82.7740 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(234, 232, 225) looks like.

```
.text, #text, p{  
    color:rgb(234, 232, 225)  
}
```

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(234, 232, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 232, 225) }
```

Border

The CSS property to change the border of an element to XYZ 76.3789, 80.6419, 82.7740 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(234, 232, 225) }
```


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

```
.border{ border-color:rgb(234, 232, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 232, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 232, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 232, 225);  
box-shadow:4px 4px 4px 4px rgb(234, 232,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3789, 80.6419, 82.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 232, 225) }
```

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

```
.background{ background-color: rgb(234,  
232, 225) }
```

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