

Converting Colors

XYZ(76.5125, 80.2474, 80.9755)

Have a look what the booklet for
XYZ(76.5125, 80.2474, 80.9755)
contains.

XYZ(76.4873, 80.3124, 81.2826)	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(76.4873, 80.3124,
81.2826)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE7DF
RGB	236, 231, 223
RGB Percent	93%, 91%, 87%
CMY	0.0745, 0.0941, 0.1255
CMYK	0.00, 0.02, 0.06, 0.07
HSL	37°, 25%, 90%
HSV	37°, 6%, 93%
XYZ	76.4873, 80.3124, 81.2826
YIQ	231.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

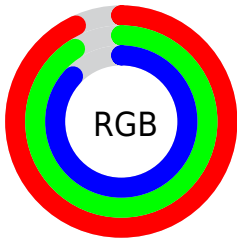
Format	Color
R_{YB}	231, 236, 223
Decimal	15525855
CIE Lab	91.82, 0.31, 4.47
CIE LCh	92, 4.486, 86.039
Yxy	80.3124, 0.3213, 0.3373
Android (android.graphics.Color)	4293715935 (0xFFECE7DF)
YUV	231.5830, -4.2314, 3.8737
Hunter-Lab	89.6172, -4.4823, 8.9561

Details

The XYZ color **76.4873, 80.3124, 81.2826** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.3152, 77.2299, 90.4007**, and the grayscale version is **76.4197, 80.3995, 87.5551**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2202, 43.1904, 43.2098** is the 20% darker color. If you saturate the color by 10%, you get **71.0524, 74.1839, 64.8517**, and if you desaturate by 10%, it is **82.5019, 86.8884, 100.0967**.

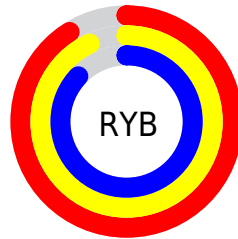
Distribution



Red (93%)

Green (91%)

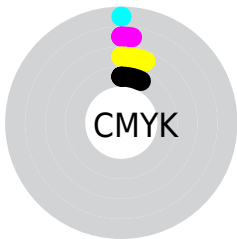
Blue (87%)



Red (91%)

Yellow (93%)

Blue (87%)

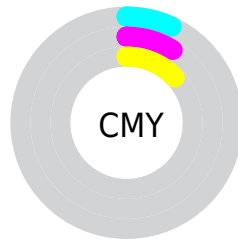


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (7%)



Cyan (7%)


Magenta (9%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4873, 80.3124, 81.2826 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 76.4873, 80.3124, 81.2826 by changing the saturation by 10% instead.

 76.4873, 80.3124,
81.2826

 76.4873, 80.3124,
81.2826


471.9330,
495.9850, 519.0652

 57.1306, 59.9755,
60.2420


127.3922,
133.8049, 136.9951

 41.3507, 43.3989,
43.1872

159.6711,
167.7292, 172.5042

 28.7821, 30.1982,
29.6995


196.9882,
206.9514, 213.6731

 19.0595, 19.9891,
19.3605

239.7087,
251.8559, 260.9205

 11.8175, 12.3871,
11.7516

288.1981,
302.8272, 314.6648

 6.6909, 7.0079,
6.4543

342.8217,

 3.3141, 3.4670,

360.2495, 375.3247

3.0500

403.9449,
424.5073, 443.3186

■ 1.3220, 1.3801,
1.1202

■ 0.1996, 0.2020,
0.0000

■ 76.4873, 80.3124,
81.2826

■ 76.4873, 80.3124,
81.2826

■ 71.0524, 74.1839,
64.8517

■ 82.5019, 86.8884,
100.0967

■ 66.1701, 68.4813,
50.7020

■ 86.5629, 92.8939,
107.9757

■ 61.8212, 63.1961,
38.7320

■ 88.4025, 96.5731,
108.5889

■ 57.9826, 58.3158,
28.8302

■ 54.6294, 53.8270,
20.8752

■ 51.7338, 49.7152,
14.7330

■ 49.2652, 45.9646,
10.2520

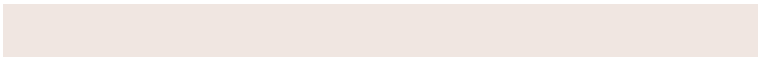
■ 47.1879, 42.5572,
7.2559

■ 45.4583, 39.4717,
5.5275

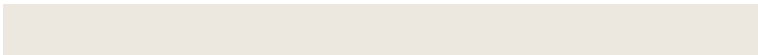
Harmonies

Analogous

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



77.5759, 80.3124, 82.3008



76.4873, 80.3124, 81.2826



75.3684, 80.3124, 81.8816

Triad

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



76.4873, 80.3124, 81.2826



74.3658, 80.3124, 90.2548



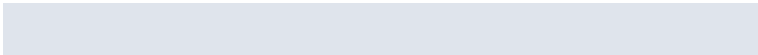
78.1824, 80.3124, 91.0305

Complementary

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



76.4873, 80.3124, 81.2826



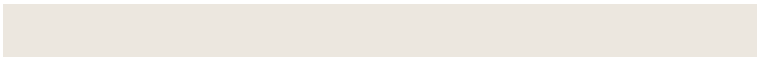
73.3152, 77.2299, 90.4007

Split Complementary

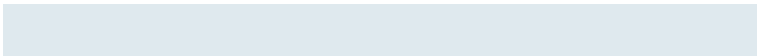
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3089, 80.3124, 93.2581



76.4873, 80.3124, 81.2826



75.1065, 80.3124, 92.8024

Square

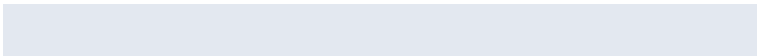
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



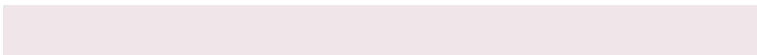
76.4873, 80.3124, 81.2826



74.1508, 80.3124, 87.0100



76.1820, 80.3124, 93.9145



78.5607, 80.3124, 87.8845

Rectangle

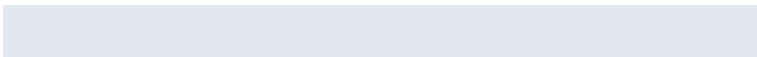
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



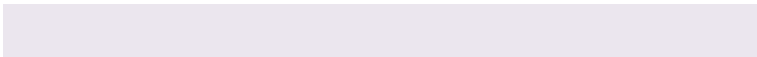
76.4873, 80.3124, 81.2826



74.7546, 80.3124, 83.1258



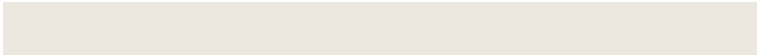
76.1820, 80.3124, 93.9145



77.9365, 80.3124, 91.9145

Sweetspot

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



76.4895, 80.3159, 81.2843



93.6176, 98.4317, 104.4253



75.0123, 76.2220, 84.3043



20.0531, 21.0850, 22.3982



0.0000, 0.0000, 0.0000



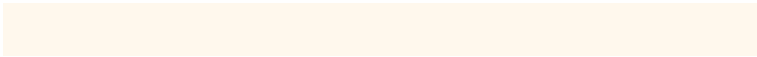
20.3446, 21.4041, 23.3091

Same Dimension

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



76.4895, 80.3159, 81.2843



90.1585, 94.6043, 93.7443



77.4778, 82.9309, 81.7370



16.0616, 16.8493, 16.5696



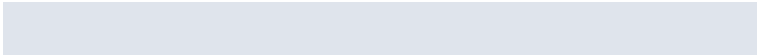
24.8039, 21.3021, 2.8044



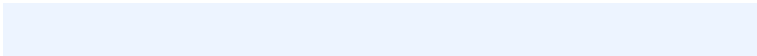
2.0403, 1.8580, 0.2511

Inverse Universe

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



73.3152, 77.2299, 90.4007



85.3788, 89.9576, 107.4713



72.3627, 74.7280, 89.9680



15.1443, 15.9575, 19.2042



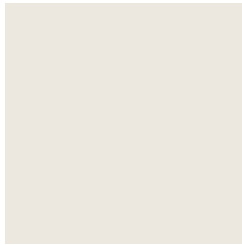
10.5094, 7.6659, 44.6687



0.9158, 0.7831, 3.5378

Previews

White Background



This preview shows how the XYZ color 76.4873, 80.3124, 81.2826 looks on a white background.

Color Contrast Check

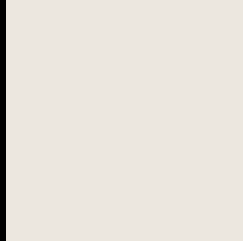
Large Text (above 18pt) WCAG AA × Fail

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 76.4873, 80.3124, 81.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

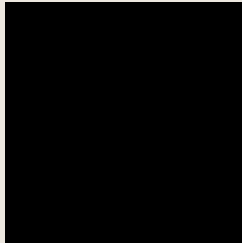
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

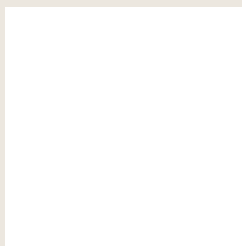
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4873, 80.3124, 81.2826

Background



This preview shows how black text looks on a background with the XYZ color 76.4873, 80.3124, 81.2826.



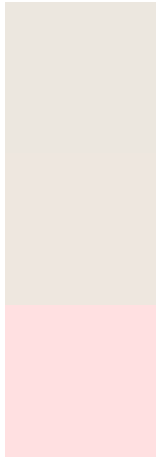
This preview shows how white text looks on a background with the XYZ color 76.4873, 80.3124,

81.2826.

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

76.4873, 80.3124, 81.2826

Protanopia

77.1551, 80.6567, 81.3138

Deuteranopia

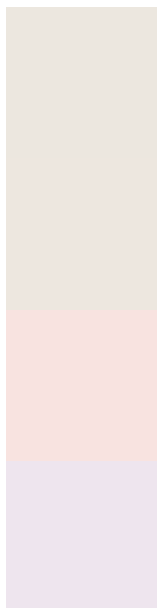
81.4863, 80.0076, 82.3824



Tritanopia

79.9746, 80.4913, 98.5100

Trichromacy



Original Color

76.4873, 80.3124, 81.2826

Protanomaly

76.8202, 80.4841, 81.2982

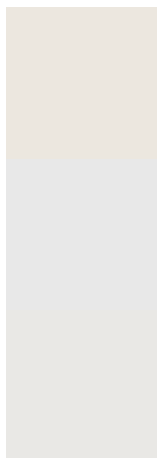
Deuteranomaly

79.6350, 80.2764, 81.8187

Tritanomaly

78.7118, 80.3888, 92.2570

Monochromacy



Original Color

76.4873, 80.3124, 81.2826

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 76.4873, 80.3124, 81.2826 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(236, 231, 223) looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 223)  
}
```

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(236, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 223) }
```

Border

The CSS property to change the border of an element to XYZ 76.4873, 80.3124, 81.2826 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(236, 231, 223) }
```


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

```
.border{ border-color:rgb(236, 231, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4873, 80.3124, 81.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 223) }
```

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

```
.background{ background-color: rgb(236,  
231, 223) }
```

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