

Converting Colors

XYZ(76.5784, 82.2016, 74.5748)

Have a look what the booklet for
XYZ(76.5784, 82.2016, 74.5748)
contains.

XYZ(76.6436, 82.2253, 74.7823) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(76.6436, 82.2253,
74.7823)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEBD5
RGB	237, 235, 213
RGB Percent	93%, 92%, 84%
CMY	0.0706, 0.0784, 0.1647
CMYK	0.00, 0.01, 0.10, 0.07
HSL	55°, 40%, 88%
HSV	55°, 10%, 93%
XYZ	76.6436, 82.2253, 74.7823
YIQ	233.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

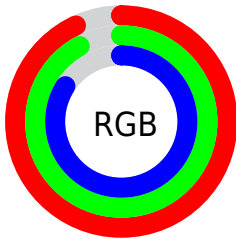
Format	Color
R _Y B	215, 237, 213
Decimal	15592405
CIE Lab	92.67, -3.03, 10.91
CIE LCh	93, 11.325, 105.543
Yxy	82.2253, 0.3280, 0.3519
Android (android.graphics.Color)	4293782485 (0xFFEDED5)
YUV	233.0900, -9.9044, 3.4291
Hunter-Lab	90.6782, -7.8138, 14.5782

Details

The XYZ color **76.6436, 82.2253, 74.7823** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **67.0269, 68.8601, 89.8801**, and the grayscale version is **77.5897, 81.6304, 88.8955**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3477, 44.5326, 38.7641** is the 20% darker color. If you saturate the color by 10%, you get **73.2925, 79.9900, 59.8927**, and if you desaturate by 10%, it is **80.4451, 84.6562, 91.9929**.

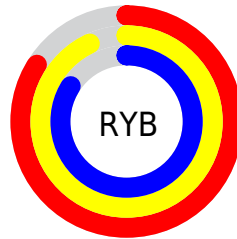
Distribution



Red (93%)

Green (92%)

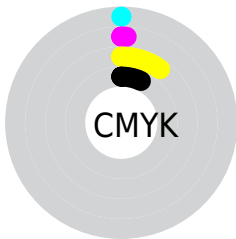
Blue (84%)



Red (84%)

Yellow (93%)

Blue (84%)

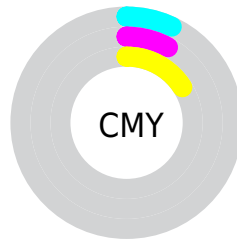


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (7%)



Cyan (7%)

Magenta (8%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6436, 82.2253, 74.7823 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 76.6436, 82.2253, 74.7823 by changing the saturation by 10% instead.

76.6436, 82.2253,
74.7823

76.6436, 82.2253,
74.7823

472.4586,
502.4010, 496.4044

57.2593, 61.5513,
54.9339

127.6118,
136.4899, 127.7484

41.4544, 44.6702,
38.9506

159.9264,
170.8493, 161.7032

28.8636, 31.1977,
26.4137

197.2818,
210.5392, 201.1972

19.1214, 20.7495,
16.9049

240.0434,
255.9441, 246.6490

11.8626, 12.9410,
10.0055

288.5765,
307.4483, 298.4770

6.7217, 7.3879,
5.2969

343.2465,

3.3334, 3.7059,

365.4362, 357.0999

2.3607

404.4188,
430.2924, 422.9362

■ 1.3324, 1.5104,
0.7649

■ 0.2073, 0.2961,
0.0000

■ 76.6436, 82.2253,
74.7823

■ 76.6436, 82.2253,
74.7823

■ 73.2925, 79.9900,
59.8927

■ 80.4451, 84.6562,
91.9929

■ 70.3661, 77.9318,
47.2187

■ 83.8261, 86.9262,
106.9681

■ 67.8462, 76.0461,
36.6549

■ 84.4059, 88.0858,
107.1613

■ 65.7107, 74.3242,
28.0850

■ 84.9920, 89.2580,
107.3567

■ 63.9355, 72.7562,
21.3816

■ 85.5844, 90.4428,
107.5542

■ 62.4934, 71.3313,
16.4024

■ 86.1832, 91.6404,
107.7538

■ 61.3537, 70.0371,
12.9849

■ 86.7884, 92.8507,
107.9555

■ 60.4794, 68.8589,
10.9353

■ 87.3999, 94.0737,
108.1593

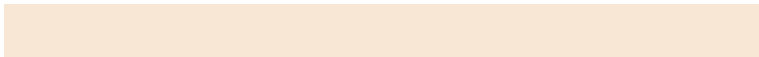
■ 59.8154, 67.7848,
9.9312

■ 88.0178, 95.3096,
108.3653

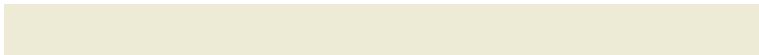
Harmonies

Analogous

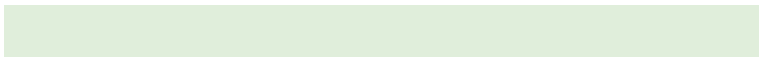
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5764, 82.2253, 74.7117



76.6436, 82.2253, 74.7823



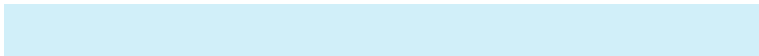
74.1762, 82.2253, 78.6341

Triad

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



76.6436, 82.2253, 74.7823



74.2495, 82.2253, 101.6237



83.7711, 82.2253, 93.6437

Complementary

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



76.6436, 82.2253, 74.7823



67.0269, 68.8601, 89.8801

Split Complementary

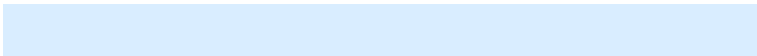
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2688, 82.2253, 101.3872



76.6436, 82.2253, 74.7823



76.7461, 82.2253, 106.1871

Square

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



76.6436, 82.2253, 74.7823



72.8178, 82.2253, 93.9502



79.6814, 82.2253, 106.0979



83.7420, 82.2253, 85.2494

Rectangle

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



76.6436, 82.2253, 74.7823



73.1056, 82.2253, 82.9752



79.6814, 82.2253, 106.0979



83.4268, 82.2253, 96.4199

Sweetspot

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



76.6458, 82.2289, 74.7841



93.6400, 99.1119, 102.4743



70.9860, 70.5005, 74.1577



19.9639, 21.1640, 21.5754



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.



76.6458, 82.2289, 74.7841



89.7027, 96.5713, 84.7180



73.9739, 81.7042, 74.8236



16.2386, 17.4002, 16.0214



32.7039, 37.1020, 5.4377



2.5997, 2.9767, 0.4375

Inverse Universe

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



67.0269, 68.8601, 89.8801



76.3683, 78.0387, 105.6457



69.5128, 69.3921, 89.8518



14.3318, 14.7501, 19.0139



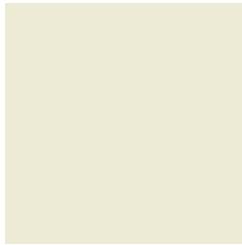
8.5172, 3.6813, 44.0046



0.7036, 0.3588, 3.4670

Previews

White Background



This preview shows how the XYZ color 76.6436, 82.2253, 74.7823 looks on a white background.

Color Contrast Check

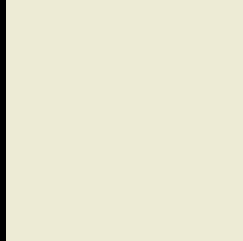
Large Text (above 18pt) WCAG AA × Fail

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 76.6436, 82.2253, 74.7823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

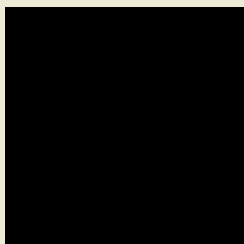
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

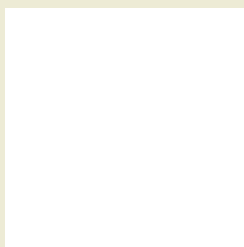
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6436, 82.2253, 74.7823

Background



This preview shows how black text looks on a background with the XYZ color 76.6436, 82.2253, 74.7823.



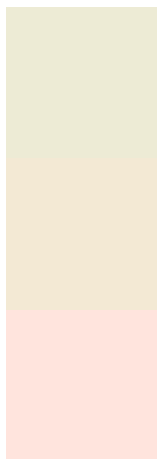
This preview shows how white text looks on a background with the XYZ color 76.6436, 82.2253,

74.7823.

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

76.6436, 82.2253, 74.7823

Protanopia

77.9847, 82.0860, 74.0213

Deuteranopia

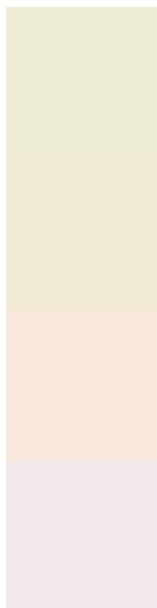
82.0345, 81.9673, 79.9042



Tritanopia

81.8580, 82.2482, 100.3680

Trichromacy



Original Color

76.6436, 82.2253, 74.7823

Protanomaly

77.5821, 82.2999, 74.0838

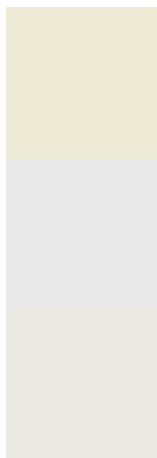
Deuteranomaly

79.9422, 82.1702, 77.9767

Tritanomaly

79.7872, 82.2366, 90.2653

Monochromacy



Original Color

76.6436, 82.2253, 74.7823

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.0820, 81.8290, 83.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6436, 82.2253, 74.7823 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, 235, 213)` looks like.

```
.text, #text, p{  
    color:rgb(237, 235, 213)  
}
```

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, 235, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 213) }
```

Border

The CSS property to change the border of an element to XYZ 76.6436, 82.2253, 74.7823 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, 235, 213) }
```


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

```
.border{ border-color:rgb(237, 235, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 235, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 213);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6436, 82.2253, 74.7823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 235, 213) }
```

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

```
.background{ background-color: rgb(237,  
235, 213) }
```

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