

Converting Colors

XYZ(76.5577, 81.9567, 77.4153)

Have a look what the booklet for
XYZ(76.5577, 81.9567, 77.4153)
contains.

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Color

**XYZ(76.8248, 82.2593,
77.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEBD9
RGB	236, 235, 217
RGB Percent	93%, 92%, 85%
CMY	0.0745, 0.0784, 0.1490
CMYK	0.00, 0.00, 0.08, 0.07
HSL	57°, 33%, 89%
HSV	57°, 8%, 93%
XYZ	76.8248, 82.2593, 77.4742
YIQ	233.2470, 6.3740, -5.3860

Conversions

Conversions Part 2

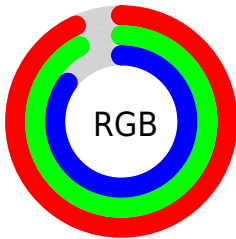
Format	Color
R _Y B	218, 236, 217
Decimal	15526873
CIE Lab	92.69, -2.73, 8.84
CIE LCh	93, 9.257, 107.170
Yxy	82.2593, 0.3248, 0.3477
Android (android.graphics.Color)	4293716953 (0xFFECEBD9)
YUV	233.2470, -8.0098, 2.4144
Hunter-Lab	90.6969, -7.5212, 12.8417

Details

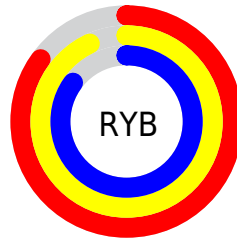
The XYZ color **76.8248, 82.2593, 77.4742** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.8270, 70.9495, 89.4248**, and the grayscale version is **77.6952, 81.7414, 89.0163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4641, 44.5521, 40.5964** is the 20% darker color. If you saturate the color by 10%, you get **73.6202, 80.4157, 62.3289**, and if you desaturate by 10%, it is **80.4754, 84.2906, 94.9359**.

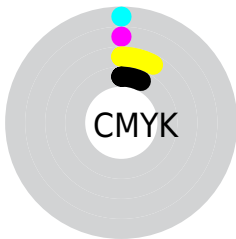
Distribution



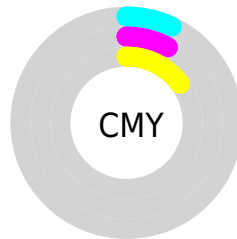
- Red (93%)
- Green (92%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8248, 82.2593, 77.4742 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 76.8248, 82.2593, 77.4742 by changing the saturation by 10% instead.

76.8248, 82.2593,
77.4742

76.8248, 82.2593,
77.4742

473.0676,
502.5146, 505.8598

57.4085, 61.5793,
57.1283

127.8663,
136.5376, 131.5878

41.5747, 44.6928,
40.6982

160.2222,
170.9046, 166.1925

28.9581, 31.2156,
27.7654

197.6221,
210.6028, 206.3872

19.1932, 20.7630,
17.9114

240.4312,
256.0165, 252.5905

11.9148, 12.9509,
10.7176

289.0149,
307.5302, 305.2208

6.7575, 7.3948,
5.7655

343.7387,

3.3559, 3.7102,

365.5281, 364.6968

2.6366

404.9678,
430.3948, 431.4370

■ 1.3446, 1.5128,
0.9112

■ 0.2163, 0.2977,
0.0000

■ 76.8248, 82.2593,
77.4742

■ 76.8248, 82.2593,
77.4742

■ 73.6202, 80.4157,
62.3289

■ 80.4754, 84.2906,
94.9359

■ 70.8363, 78.7416,
49.3971

■ 83.0654, 85.8989,
106.8099

■ 68.4555, 77.2327,
38.5758

■ 83.4255, 86.6193,
106.9299

■ 66.4563, 75.8804,
29.7521

■ 83.7882, 87.3445,
107.0508

64.8153, 74.6752,
22.8023

84.1533, 88.0748,
107.1725

63.5063, 73.6067,
17.5892

84.5209, 88.8100,
107.2951

62.4998, 72.6631,
13.9567

84.8910, 89.5502,
107.4184

61.7607, 71.8304,
11.7208

85.2636, 90.2954,
107.5426

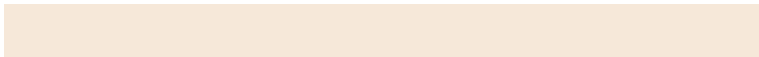
61.2407, 71.0891,
10.6260

85.6387, 91.0456,
107.6677

Harmonies

Analogous

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



79.2186, 82.2593, 77.2382



76.8248, 82.2593, 77.4742



74.8352, 82.2593, 80.8429

Triad

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



76.8248, 82.2593, 77.4742



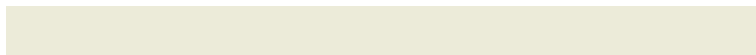
75.0765, 82.2593, 99.6573



82.7914, 82.2593, 92.5461

Complementary

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



76.8248, 82.2593, 77.4742



68.8270, 70.9495, 89.4248

Split Complementary

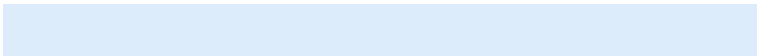
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6333, 82.2593, 98.8959



76.8248, 82.2593, 77.4742



77.1604, 82.2593, 103.1412

Square

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



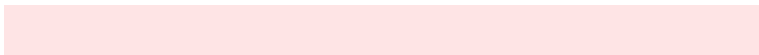
76.8248, 82.2593, 77.4742



73.8401, 82.2593, 93.5421



79.5612, 82.2593, 102.8556



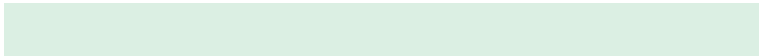
82.6970, 82.2593, 85.7049

Rectangle

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



76.8248, 82.2593, 77.4742



73.9909, 82.2593, 84.5147



79.5612, 82.2593, 102.8556



82.5347, 82.2593, 94.8155

Sweetspot

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



76.8271, 82.2629, 77.4760



94.1545, 99.5055, 104.6043



72.0958, 72.5357, 76.7149



20.1623, 21.3035, 22.4346



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.



76.8271, 82.2629, 77.4760



90.7881, 97.6157, 88.5520



74.4418, 81.4575, 77.4462



16.2804, 17.4838, 16.0354



33.7377, 39.1696, 5.7823



2.6700, 3.1173, 0.4610

Inverse Universe

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



68.8270, 70.9495, 89.4248



79.0529, 81.0204, 106.0797



71.0784, 71.7282, 89.4564



14.2945, 14.6755, 19.0015



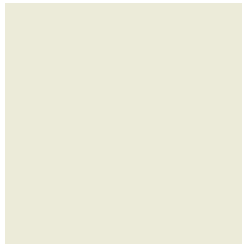
8.4486, 3.5441, 43.9818



0.6858, 0.3230, 3.4611

Previews

White Background



This preview shows how the XYZ color 76.8248, 82.2593, 77.4742 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 76.8248, 82.2593, 77.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

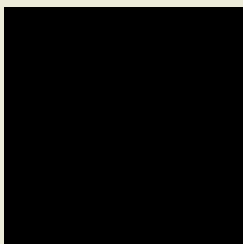
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

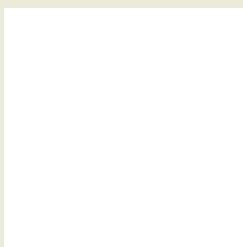
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8248, 82.2593, 77.4742

Background



This preview shows how black text looks on a background with the XYZ color 76.8248, 82.2593, 77.4742.

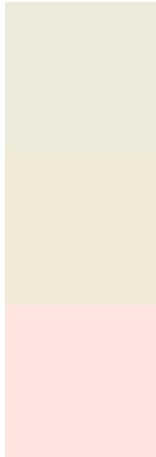


This preview shows how white text looks on a background with the XYZ color 76.8248, 82.2593,

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

76.8248, 82.2593, 77.4742

Protanopia

78.1515, 82.1129, 76.6961

Deuteranopia

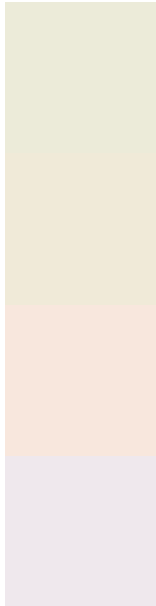
82.3027, 82.0745, 81.3162



Tritanopia

81.6713, 82.1340, 101.1714

Trichromacy



Original Color

76.8248, 82.2593, 77.4742

Protanomaly

77.7527, 82.3288, 76.7588

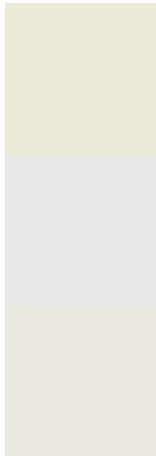
Deuteranomaly

80.3385, 82.3287, 80.0634

Tritanomaly

79.7393, 82.1784, 91.7801

Monochromacy



Original Color

76.8248, 82.2593, 77.4742

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2196, 81.8841, 84.4083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8248, 82.2593, 77.4742 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, 235, 217) looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 217)  
}
```

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, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 217) }
```

Border

The CSS property to change the border of an element to XYZ 76.8248, 82.2593, 77.4742 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, 235, 217) }
```


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

```
.border{ border-color:rgb(236, 235, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8248, 82.2593, 77.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 217) }
```

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

```
.background{ background-color: rgb(236,  
235, 217) }
```

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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