

Converting Colors

XYZ(76.8692, 82.3681, 82.0569)

Have a look what the booklet for
XYZ(76.8692, 82.3681, 82.0569)
contains.

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Color

**XYZ(76.7671, 82.1221,
82.3261)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EBE0
RGB	233, 235, 224
RGB Percent	91%, 92%, 88%
CMY	0.0863, 0.0784, 0.1216
CMYK	0.01, 0.00, 0.05, 0.08
HSL	71°, 22%, 90%
HSV	71°, 5%, 92%
XYZ	76.7671, 82.1221, 82.3261
YIQ	233.1480, 2.3390, -3.8450

Conversions

Conversions Part 2

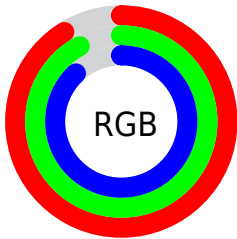
Format	Color
R _Y B	224, 235, 226
Decimal	15330272
CIE Lab	92.63, -2.59, 5.09
CIE LCh	93, 5.708, 116.968
Yxy	82.1221, 0.3183, 0.3405
Android (android.graphics.Color)	4293520352 (0xFFE9EBE0)
YUV	233.1480, -4.5100, -0.1298
Hunter-Lab	90.6212, -7.3762, 9.5721

Details

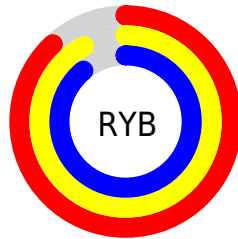
The XYZ color **76.7671, 82.1221, 82.3261** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.0183, 75.4805, 89.3223**, and the grayscale version is **77.5971, 81.6382, 88.9040**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4130, 44.4519, 43.9335** is the 20% darker color. If you saturate the color by 10%, you get **72.4179, 80.2255, 66.6194**, and if you desaturate by 10%, it is **81.5954, 84.2195, 100.3581**.

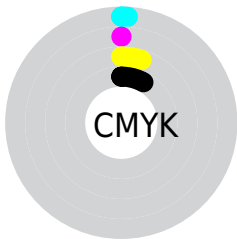
Distribution



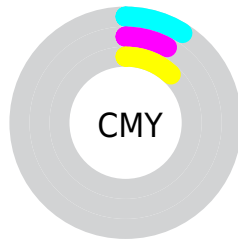
- Red (91%)
- Green (92%)
- Blue (88%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7671, 82.1221, 82.3261 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 76.7671, 82.1221, 82.3261 by changing the saturation by 10% instead.

■ 76.7671, 82.1221,
82.3261

■ 76.7671, 82.1221,
82.3261

472.8737,
502.0560, 522.6499

■ 57.3610, 61.4662,
61.0970

127.7853,
136.3452, 138.4720

■ 41.5364, 44.6015,
43.8724

160.1280,
170.6812, 174.2259

■ 28.9280, 31.1437,
30.2337

197.5137,
210.3460, 215.6584

■ 19.1704, 20.7083,
19.7625

240.3077,
255.7240, 263.1881

■ 11.8982, 12.9109,
12.0402

288.8754,
307.1996, 317.2336

■ 6.7461, 7.3672,
6.6482

343.5820,

■ 3.3487, 3.6928,

365.1572, 378.2133

3.1680

404.7930,
429.9812, 446.5459

■ 1.3407, 1.5033,
1.1810

■ 0.2134, 0.2910,
0.0000

■ 76.7671, 82.1221,
82.3261

■ 76.7671, 82.1221,
82.3261

■ 72.4179, 80.2255,
66.6194

■ 81.5954, 84.2195,
100.3581

■ 68.5226, 78.5118,
53.1380

■ 84.2281, 85.4399,
106.6600

■ 65.0643, 76.9768,
41.7827

■ 85.7113, 86.2045,
106.7294

■ 62.0219, 75.6119,
32.4445

■ 87.2290, 86.9870,
106.8004

■ 59.3727, 74.4081,
25.0050

■ 88.7817, 87.7874,
106.8731

■ 57.0916, 73.3553,
19.3332

■ 89.0000, 87.8999,
106.8833

■ 55.1504, 72.4423,
15.2817

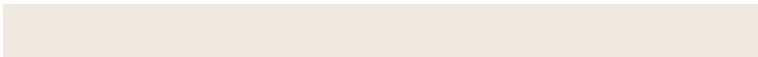
■ 53.5163, 71.6557,
12.6792

■ 52.1491, 70.9797,
11.3159

Harmonies

Analogous

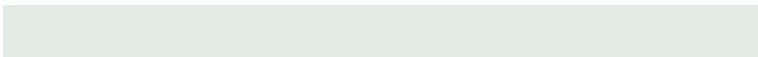
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2057, 82.1221, 81.4983



76.7671, 82.1221, 82.3261



75.6856, 82.1221, 85.0337

Triad

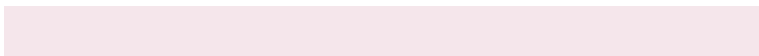
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7671, 82.1221, 82.3261



76.5087, 82.1221, 96.4482



80.9403, 82.1221, 89.8502

Complementary

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



76.7671, 82.1221, 82.3261



73.0183, 75.4805, 89.3223

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.



80.4725, 82.1221, 93.9484



76.7671, 82.1221, 82.3261



77.9037, 82.1221, 97.8327

Square

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



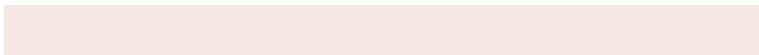
76.7671, 82.1221, 82.3261



75.5377, 82.1221, 93.1762



79.3564, 82.1221, 96.9038



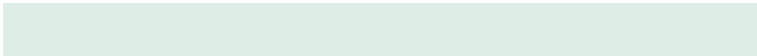
80.6268, 82.1221, 85.7603

Rectangle

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



76.7671, 82.1221, 82.3261



75.3062, 82.1221, 87.5859



79.3564, 82.1221, 96.9038



80.8691, 82.1221, 91.2734

Sweetspot

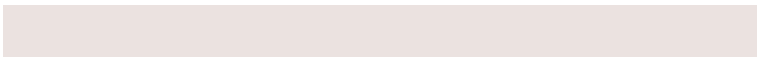
The Sweet Spot groups the original color and five complimentary colors.



76.7694, 82.1257, 82.3279



94.4714, 99.7488, 106.7441



74.8693, 77.3484, 81.5059



20.2269, 21.3530, 22.8703



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.



76.7694, 82.1257, 82.3279



91.6657, 98.5287, 96.3912



75.0549, 81.2418, 82.2476



16.3379, 17.5983, 17.0288



28.7594, 39.3705, 6.0835



2.3282, 3.1276, 0.4810

Inverse Universe

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



73.0183, 75.4805, 89.3223



85.9072, 88.3272, 107.1288



74.7164, 76.3559, 89.4017



15.2101, 15.6003, 19.1318



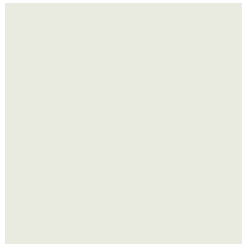
8.9722, 3.6613, 43.9768



0.7774, 0.3251, 3.4566

Previews

White Background



This preview shows how the XYZ color 76.7671, 82.1221, 82.3261 looks on a white background.

Color Contrast Check

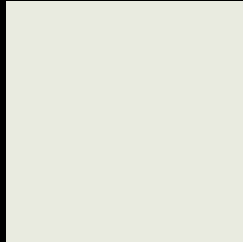
Large Text (above 18pt) WCAG AA × Fail

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 76.7671, 82.1221, 82.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

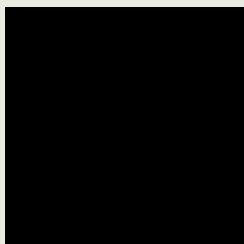
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

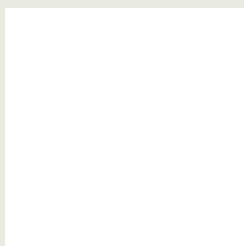
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7671, 82.1221, 82.3261

Background



This preview shows how black text looks on a background with the XYZ color 76.7671, 82.1221, 82.3261.



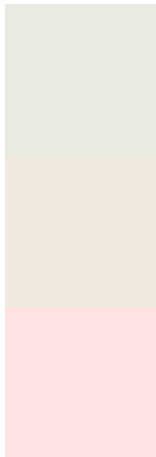
This preview shows how white text looks on a background with the XYZ color 76.7671, 82.1221,

82.3261.

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

76.7671, 82.1221, 82.3261

Protanopia

78.3934, 82.1308, 81.5331

Deuteranopia

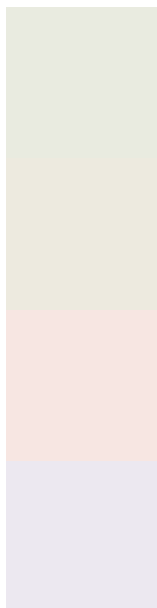
82.5742, 81.7442, 84.0991



Tritanopia

80.5998, 81.9959, 101.2013

Trichromacy



Original Color

76.7671, 82.1221, 82.3261

Protanomaly

77.6672, 82.1779, 81.5805

Deuteranomaly

80.3821, 81.8588, 83.5152

Tritanomaly

79.1769, 81.8374, 94.0612

Monochromacy



Original Color

76.7671, 82.1221, 82.3261

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3100, 81.8824, 86.5931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7671, 82.1221, 82.3261 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(233, 235, 224) looks like.

```
.text, #text, p{  
    color:rgb(233, 235, 224)  
}
```

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(233, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 235, 224) }
```

Border

The CSS property to change the border of an element to XYZ 76.7671, 82.1221, 82.3261 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(233, 235, 224) }
```


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

```
.border{ border-color:rgb(233, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(233, 235,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7671, 82.1221, 82.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 235, 224) }
```

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

```
.background{ background-color: rgb(233,  
235, 224) }
```

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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