

Converting Colors

XYZ(75.8962, 80.7567, 83.6044)

Have a look what the booklet for
XYZ(75.8962, 80.7567, 83.6044)
contains.

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Color

**XYZ(75.8214, 80.7577,
83.5431)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E9E2
RGB	231, 233, 226
RGB Percent	91%, 91%, 89%
CMY	0.0941, 0.0863, 0.1137
CMYK	0.01, 0.00, 0.03, 0.09
HSL	77°, 14%, 90%
HSV	77°, 3%, 91%
XYZ	75.8214, 80.7577, 83.5431
YIQ	231.6040, 1.0550, -2.6010

Conversions

Conversions Part 2

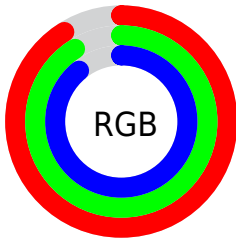
Format	Color
R_{YB}	226, 233, 228
Decimal	15198690
CIE Lab	92.02, -1.90, 3.15
CIE LCh	92, 3.680, 121.102
Yxy	80.7577, 0.3158, 0.3363
Android (android.graphics.Color)	4293388770 (0xFFE7E9E2)
YUV	231.6040, -2.7628, -0.5297
Hunter-Lab	89.8653, -6.6597, 7.7869

Details

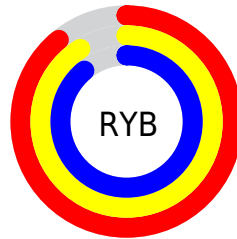
The XYZ color **75.8214, 80.7577, 83.5431** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9023, 76.7720, 88.0183**, and the grayscale version is **76.4272, 80.4073, 87.5636**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7520, 43.4985, 44.7763** is the 20% darker color. If you saturate the color by 10%, you get **70.7287, 78.4793, 67.7336**, and if you desaturate by 10%, it is **81.4351, 83.2591, 101.6484**.

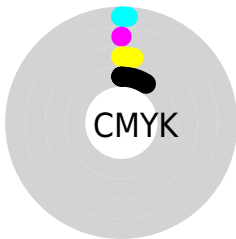
Distribution



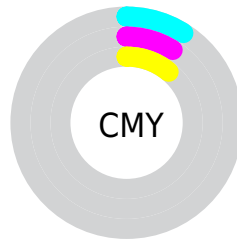
- Red (91%)
- Green (91%)
- Blue (89%)



- Red (89%)
- Yellow (91%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8214, 80.7577, 83.5431 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 75.8214, 80.7577, 83.5431 by changing the saturation by 10% instead.

■ 75.8214, 80.7577,
83.5431

■ 75.8214, 80.7577,
83.5431

469.6899,
497.4827, 526.8131

■ 56.5826, 60.3421,
62.0951

126.4561,
134.4305, 140.1919

■ 40.9091, 43.6944,
44.6732

158.5828,
168.4564, 176.2297

■ 28.4354, 30.4303,
30.8591

195.7361,
207.7879, 217.9679

■ 18.7962, 20.1655,
20.2340

238.2814,
252.8094, 265.8250

■ 11.6263, 12.5154,
12.3795

286.5841,
303.9052, 320.2195

■ 6.5601, 7.0957,
6.8770

341.0095,

■ 3.2324, 3.5220,

361.4598, 381.5700

3.3080

401.9230,
425.8575, 450.2950

■ 1.2778, 1.4100,
1.2540

■ 0.1665, 0.2240,
0.0236

■ 75.8214, 80.7577,
83.5431

■ 75.8214, 80.7577,
83.5431

■ 70.7287, 78.4793,
67.7336

■ 81.4351, 83.2591,
101.6484

■ 66.1321, 76.4062,
54.1229

■ 84.6150, 84.7940,
106.5149

■ 62.0141, 74.5337,
42.6149

■ 86.9747, 86.0104,
106.6254

■ 58.3540, 72.8536,
33.1043

■ 88.4305, 86.7609,
106.6935

■ 55.1291, 71.3566,
25.4768

■ 52.3145, 70.0326,
19.6065

■ 49.8823, 68.8704,
15.3519

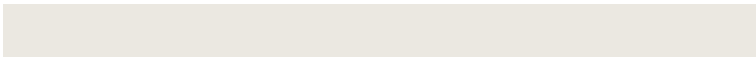
■ 47.8007, 67.8572,
12.5501

■ 46.0312, 66.9773,
11.0037

Harmonies

Analogous

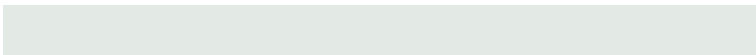
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7228, 80.7577, 82.8219



75.8214, 80.7577, 83.5431



75.1753, 80.7577, 85.4363

Triad

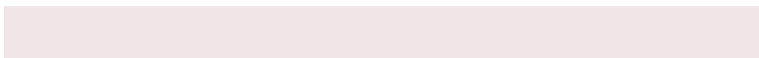
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8214, 80.7577, 83.5431



75.8815, 80.7577, 92.5744



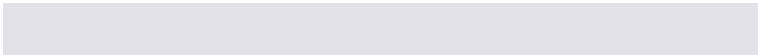
78.5920, 80.7577, 87.8312

Complementary

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



75.8214, 80.7577, 83.5431



73.9023, 76.7720, 88.0183

Split Complementary

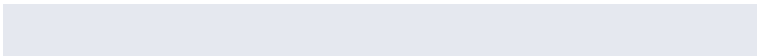
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3623, 80.7577, 90.4746



75.8214, 80.7577, 83.5431



76.7928, 80.7577, 93.2468

Square

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



75.8214, 80.7577, 83.5431



75.2098, 80.7577, 90.6517



77.7018, 80.7577, 92.4708



78.3268, 80.7577, 85.2661

Rectangle

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



75.8214, 80.7577, 83.5431



74.9736, 80.7577, 87.1276



77.7018, 80.7577, 92.4708



78.5701, 80.7577, 88.7402

Sweetspot

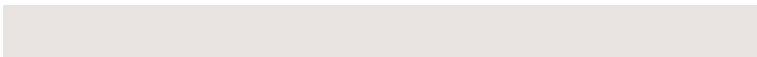
The Sweet Spot groups the original color and five complimentary colors.



75.8237, 80.7612, 83.5449



94.3742, 99.6987, 106.7395



75.0733, 78.2948, 83.1083



20.2071, 21.3428, 22.8694



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.



75.8237, 80.7612, 83.5449



92.3854, 98.8111, 100.4294



74.7107, 80.1874, 83.4928



16.4419, 17.6371, 17.7025



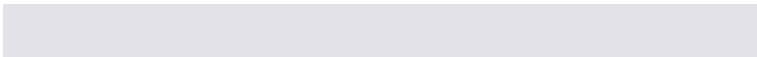
25.6251, 37.7547, 5.9368



2.1061, 3.0131, 0.4706

Inverse Universe

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



73.9023, 76.7720, 88.0183



89.2536, 92.3089, 107.7210



75.0183, 77.3474, 88.0705



15.7852, 16.2737, 19.2314



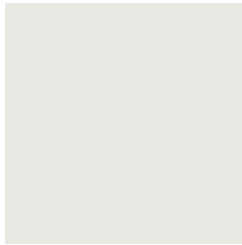
9.7516, 4.0631, 44.0132



0.8576, 0.3664, 3.4604

Previews

White Background



This preview shows how the XYZ color 75.8214, 80.7577, 83.5431 looks on a white background.

Color Contrast Check

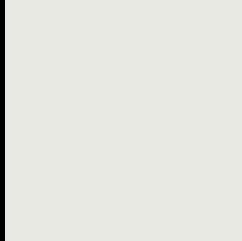
Large Text (above 18pt) WCAG AA × Fail

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 75.8214, 80.7577, 83.5431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

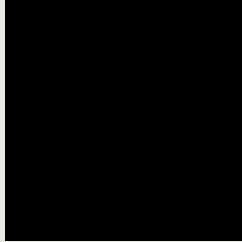
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

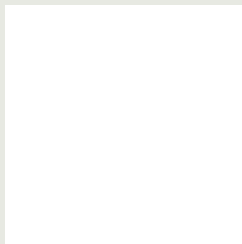
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8214, 80.7577, 83.5431

Background



This preview shows how black text looks on a background with the XYZ color 75.8214, 80.7577, 83.5431.



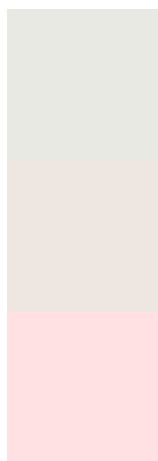
This preview shows how white text looks on a background with the XYZ color 75.8214, 80.7577,

83.5431.

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

75.8214, 80.7577, 83.5431

Protanopia

77.4264, 80.7652, 82.7426

Deuteranopia

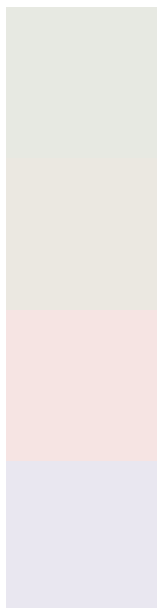
82.1688, 80.7119, 84.6470



Tritanopia

79.1718, 80.8634, 100.2423

Trichromacy



Original Color

75.8214, 80.7577, 83.5431

Protanomaly

76.7082, 80.8116, 82.7894

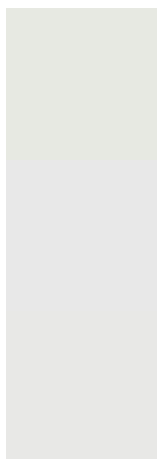
Deuteranomaly

79.6146, 80.6257, 84.0392

Tritanomaly

77.9084, 80.7667, 93.9214

Monochromacy



Original Color

75.8214, 80.7577, 83.5431

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.4183, 80.5822, 86.3892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8214, 80.7577, 83.5431 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(231, 233, 226) looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 226)  
}
```

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(231, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 226) }
```

Border

The CSS property to change the border of an element to XYZ 75.8214, 80.7577, 83.5431 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(231, 233, 226) }
```


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

```
.border{ border-color:rgb(231, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8214, 80.7577, 83.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 226) }
```

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

```
.background{ background-color: rgb(231,  
233, 226) }
```

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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