

Converting Colors

XYZ(75.7636, 82.5671, 77.5895)

Have a look what the booklet for XYZ(75.7636, 82.5671, 77.5895) contains.

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Color

**XYZ(75.7636, 82.5671,
77.5895)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EDD9
RGB	231, 237, 217
RGB Percent	91%, 93%, 85%
CMY	0.0941, 0.0706, 0.1490
CMYK	0.03, 0.00, 0.08, 0.07
HSL	78°, 36%, 89%
HSV	78°, 8%, 93%
XYZ	75.7636, 82.5671, 77.5895
YIQ	232.9260, 2.8440, -7.4920

Conversions

Conversions Part 2

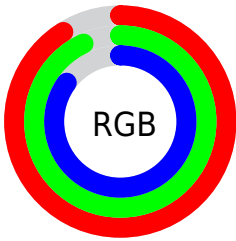
Format	Color
R_{YB}	217, 237, 223
Decimal	15199705
CIE Lab	92.82, -5.47, 8.99
CIE LCh	93, 10.523, 121.325
Yxy	82.5671, 0.3211, 0.3500
Android (android.graphics.Color)	4293389785 (0xFFE7EDD9)
YUV	232.9260, -7.8515, -1.6891
Hunter-Lab	90.8664, -10.1846, 12.9797

Details

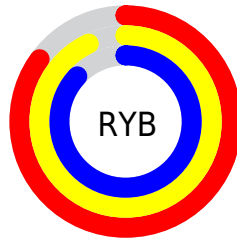
The XYZ color **75.7636, 82.5671, 77.5895** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.5336, 71.4303, 90.1951**, and the grayscale version is **77.4541, 81.4878, 88.7402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7247, 44.7703, 40.6775** is the 20% darker color. If you saturate the color by 10%, you get **70.6506, 80.2647, 62.3974**, and if you desaturate by 10%, it is **81.4172, 85.1019, 95.1213**.

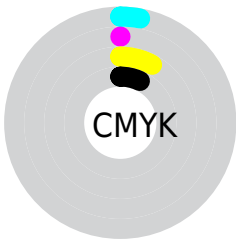
Distribution



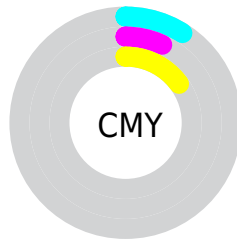
- Red (91%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7636, 82.5671, 77.5895 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 75.7636, 82.5671, 77.5895 by changing the saturation by 10% instead.

75.7636, 82.5671,
77.5895

75.7636, 82.5671,
77.5895

469.4949,
503.5426, 506.2625

56.5351, 61.8331,
57.2224

126.3748,
136.9690, 131.7519

40.8708, 44.8978,
40.7733

158.4882,
171.4057, 166.3842

28.4053, 31.3770,
27.8236

195.6273,
211.1787, 206.6087

18.7734, 20.8861,
17.9548

238.1573,
256.6724, 252.8439

11.6097, 13.0407,
10.7485

286.4438,
308.2713, 305.5084

6.5488, 7.4566,
5.7859

340.8520,

3.2254, 3.7493,

366.3597, 365.0206

2.6487

401.7472,
431.3220, 431.7991

■ 1.2740, 1.5343,
0.9174

■ 0.1637, 0.3127,
0.0000

■ 75.7636, 82.5671,
77.5895

■ 75.7636, 82.5671,
77.5895

■ 70.6506, 80.2647,
62.3974

■ 81.4172, 85.1019,
95.1213

■ 66.0517, 78.1759,
49.4406

■ 86.0721, 87.2455,
106.9113

■ 61.9477, 76.2956,
38.6149

■ 88.6053, 88.5513,
107.0299

■ 58.3159, 74.6145,
29.8057

■ 89.5759, 89.0517,
107.0753

■ 55.1313, 73.1226,
22.8875

■ 52.3661, 71.8086,
17.7209

■ 49.9892, 70.6599,
14.1473

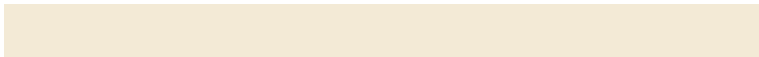
■ 47.9636, 69.6615,
11.9792

■ 46.2371, 68.7925,
10.9475

Harmonies

Analogous

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



78.3555, 82.5671, 75.6115



75.7636, 82.5671, 77.5895



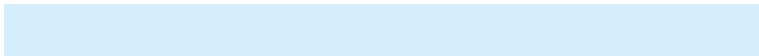
73.9343, 82.5671, 82.8370

Triad

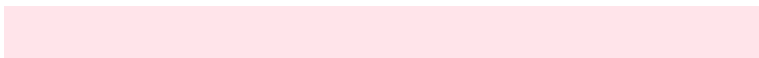
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7636, 82.5671, 77.5895



75.9704, 82.5671, 103.8362



83.8770, 82.5671, 89.5522

Complementary

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



75.7636, 82.5671, 77.5895



70.5336, 71.4303, 90.1951

Split Complementary

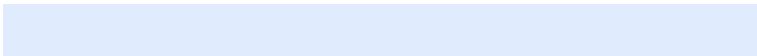
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2032, 82.5671, 97.3567



75.7636, 82.5671, 77.5895



78.5997, 82.5671, 105.8873

Square

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



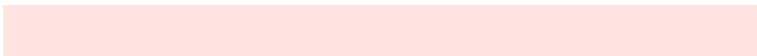
75.7636, 82.5671, 77.5895



74.0518, 82.5671, 97.9970



81.2556, 82.5671, 103.4516



83.0763, 82.5671, 82.2647

Rectangle

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



75.7636, 82.5671, 77.5895



73.3713, 82.5671, 87.6393



81.2556, 82.5671, 103.4516



83.8154, 82.5671, 92.2024

Sweetspot

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



75.7659, 82.5707, 77.5913



93.0028, 99.0841, 102.5025



73.8401, 75.7923, 76.3844



19.7914, 21.1566, 21.5831



0.0000, 0.0000, 0.0000



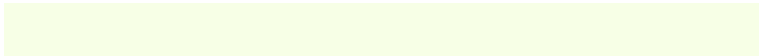
20.3446, 21.4041, 23.3091

Same Dimension

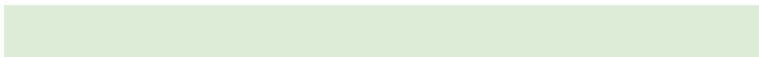
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7659, 82.5707, 77.5913



88.4526, 97.0422, 88.5644



72.6300, 80.9541, 77.4445



15.8862, 17.3869, 16.0374



25.2426, 37.5575, 5.9189



2.0785, 2.9988, 0.4693

Inverse Universe

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



70.5336, 71.4303, 90.1951



81.1844, 81.5668, 106.0728



73.7061, 73.0658, 90.3436



14.6563, 14.7681, 19.0003



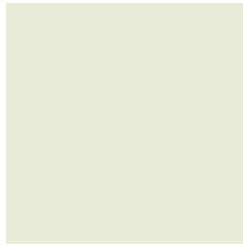
9.8855, 4.1321, 44.0195



0.8703, 0.3729, 3.4610

Previews

White Background



This preview shows how the XYZ color 75.7636, 82.5671, 77.5895 looks on a white background.

Color Contrast Check

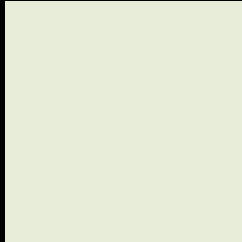
Large Text (above 18pt) WCAG AA × Fail

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 75.7636, 82.5671, 77.5895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

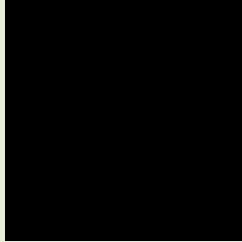
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

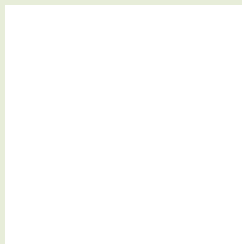
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7636, 82.5671, 77.5895

Background



This preview shows how black text looks on a background with the XYZ color 75.7636, 82.5671, 77.5895.

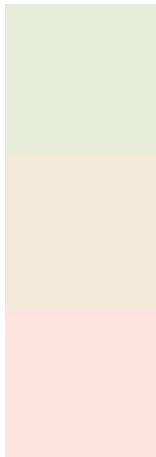


This preview shows how white text looks on a background with the XYZ color 75.7636, 82.5671,

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

75.7636, 82.5671, 77.5895

Protanopia

78.3668, 82.2388, 76.0333

Deuteranopia

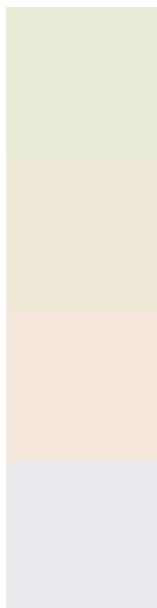
82.4379, 82.1286, 82.0285



Tritanopia

80.7040, 82.4482, 102.1030

Trichromacy



Original Color

75.7636, 82.5671, 77.5895

Protanomaly

77.4141, 82.1542, 76.7429

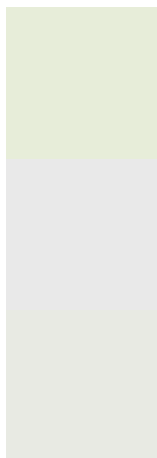
Deuteranomaly

79.6331, 81.9651, 80.0303

Tritanomaly

78.7871, 82.5111, 92.6626

Monochromacy



Original Color

75.7636, 82.5671, 77.5895

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.5667, 81.5475, 84.3778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7636, 82.5671, 77.5895 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, 237, 217) looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 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(231, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 217) }
```

Border

The CSS property to change the border of an element to XYZ 75.7636, 82.5671, 77.5895 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, 237, 217) }
```


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

```
.border{ border-color:rgb(231, 237, 217) }
```

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

Here you see how a box with a 4 pixel rgb(231, 237, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 217);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7636, 82.5671, 77.5895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 217) }
```

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

```
.background{ background-color: rgb(231,  
237, 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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