

Converting Colors

XYZ(77.5877, 82.8188, 81.9773)

Have a look what the booklet for
XYZ(77.5877, 82.8188, 81.9773)
contains.

XYZ(77.5757, 82.9808, 81.7403)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.5757, 82.9808,
81.7403)**

Conversions

Conversions Part 1

Format	Color
Hex	EBECDF
RGB	235, 236, 223
RGB Percent	92%, 93%, 87%
CMY	0.0784, 0.0745, 0.1255
CMYK	0.00, 0.00, 0.06, 0.07
HSL	65°, 26%, 90%
HSV	65°, 6%, 93%
XYZ	77.5757, 82.9808, 81.7403
YIQ	234.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

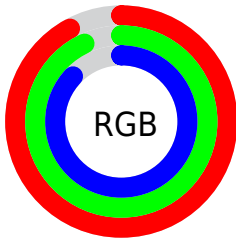
Format	Color
R _Y B	223, 236, 224
Decimal	15461599
CIE Lab	93.01, -2.59, 6.17
CIE LCh	93, 6.691, 112.734
Yxy	82.9808, 0.3202, 0.3425
Android (android.graphics.Color)	4293651679 (0xFFEBECDF)
YUV	234.2190, -5.5310, 0.6849
Hunter-Lab	91.0938, -7.4031, 10.5635

Details

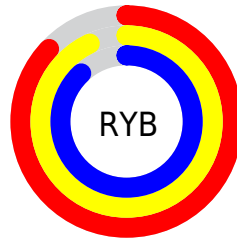
The XYZ color **77.5757, 82.9808, 81.7403** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2717, 74.6811, 89.9670**, and the grayscale version is **78.4133, 82.4969, 89.8391**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9795, 45.0534, 43.5294** is the 20% darker color. If you saturate the color by 10%, you get **74.0151, 81.4901, 66.1055**, and if you desaturate by 10%, it is **81.5907, 84.6594, 99.7149**.

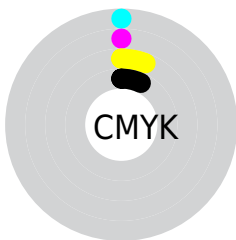
Distribution



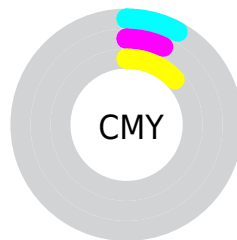
- Red (92%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5757, 82.9808, 81.7403 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 77.5757, 82.9808, 81.7403 by changing the saturation by 10% instead.

■ 77.5757, 82.9808,
81.7403

■ 77.5757, 82.9808,
81.7403

475.5865,
504.9225, 520.6392

■ 58.0271, 62.1743,
60.6169

128.9204,
137.5486, 137.6432

■ 42.0738, 45.1736,
43.4875

161.4471,
172.0786, 173.2597

■ 29.3504, 31.5942,
29.9336

199.0306,
211.9520, 214.5445

■ 19.4917, 21.0517,
19.5366

242.0361,
257.5531, 261.9159

■ 12.1322, 13.1618,
11.8779

290.8292,
309.2663, 315.7925

■ 6.9066, 7.5401,
6.5391

345.7750,

■ 3.4496, 3.8021,

367.4760, 376.5929

3.1015

407.2390,
432.5666, 444.7356

■ 1.3957, 1.5635,
1.1467

■ 0.2532, 0.3328,
0.0000

■ 77.5757, 82.9808,
81.7403

■ 77.5757, 82.9808,
81.7403

■ 74.0151, 81.4901,
66.1055

■ 81.5907, 84.6594,
99.7149

■ 70.8837, 80.1690,
52.7092

■ 83.5247, 85.5036,
106.7094

■ 68.1643, 79.0135,
41.4502

■ 84.1421, 85.8219,
106.7383

■ 65.8358, 78.0151,
32.2181

■ 84.7657, 86.1433,
106.7674

63.8753, 77.1645,
24.8920

85.3956, 86.4681,
106.7969

62.2575, 76.4517,
19.3385

86.0317, 86.7960,
106.8267

60.9537, 75.8653,
15.4069

86.6741, 87.1272,
106.8567

59.9305, 75.3917,
12.9217

87.3228, 87.4616,
106.8871

59.1468, 75.0147,
11.6664

87.9778, 87.7992,
106.9178

Harmonies

Analogous

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



79.2977, 82.9808, 81.1131



77.5757, 82.9808, 81.7403



76.2193, 82.9808, 84.6335

Triad

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



77.5757, 82.9808, 81.7403



76.8479, 82.9808, 98.2518



82.2608, 82.9808, 91.5781

Complementary

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



77.5757, 82.9808, 81.7403



72.2717, 74.6811, 89.9670

Split Complementary

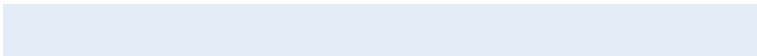
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5830, 82.9808, 96.3224



77.5757, 82.9808, 81.7403



78.4453, 82.9808, 100.2671

Square

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



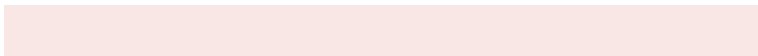
77.5757, 82.9808, 81.7403



75.8035, 82.9808, 94.1330



80.1802, 82.9808, 99.5482



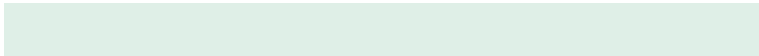
82.0197, 82.9808, 86.6736

Rectangle

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



77.5757, 82.9808, 81.7403



75.6965, 82.9808, 87.5178



80.1802, 82.9808, 99.5482



82.1325, 82.9808, 93.2467

Sweetspot

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



77.5780, 82.9844, 81.7421



94.0949, 99.6012, 104.6259



74.5339, 76.4024, 80.6321



20.1502, 21.3229, 22.4390



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.



77.5780, 82.9844, 81.7421



91.8026, 98.6426, 94.4371



75.5140, 81.9203, 81.6455



16.3778, 17.6261, 16.7029



32.4842, 41.2907, 6.2578



2.5850, 3.2599, 0.4930

Inverse Universe

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



72.2717, 74.6811, 89.9670



83.8153, 86.1441, 106.8177



74.2815, 75.7172, 90.0611



14.8448, 15.2273, 19.0790



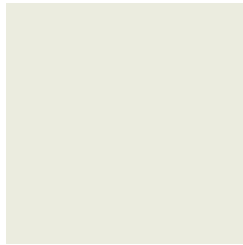
8.5265, 3.4315, 43.9559



0.7071, 0.2888, 3.4534

Previews

White Background



This preview shows how the XYZ color 77.5757, 82.9808, 81.7403 looks on a white background.

Color Contrast Check

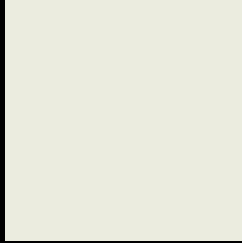
Large Text (above 18pt) WCAG AA × Fail

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 77.5757, 82.9808, 81.7403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

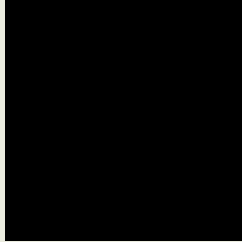
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

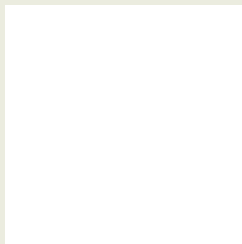
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5757, 82.9808, 81.7403

Background



This preview shows how black text looks on a background with the XYZ color 77.5757, 82.9808, 81.7403.



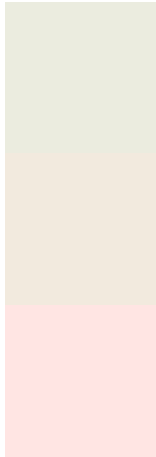
This preview shows how white text looks on a background with the XYZ color 77.5757, 82.9808,

81.7403.

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

77.5757, 82.9808, 81.7403

Protanopia

79.2256, 82.9968, 80.9516

Deuteranopia

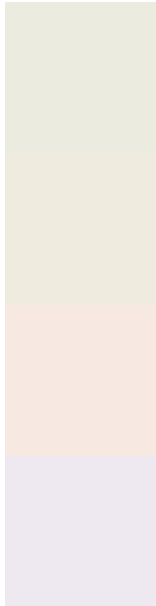
83.1244, 82.8447, 84.2825



Tritanopia

81.7085, 82.9661, 102.1500

Trichromacy



Original Color

77.5757, 82.9808, 81.7403

Protanomaly

78.4898, 83.0413, 80.9990

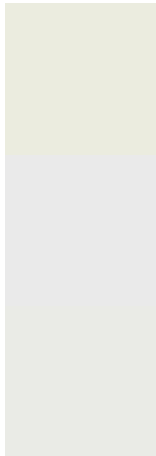
Deuteranomaly

81.2955, 83.1607, 83.7184

Tritanomaly

80.1270, 82.7462, 94.1866

Monochromacy



Original Color

77.5757, 82.9808, 81.7403

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9229, 82.6223, 86.7036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5757, 82.9808, 81.7403 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(235, 236, 223) looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 223)  
}
```

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(235, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 223) }
```

Border

The CSS property to change the border of an element to XYZ 77.5757, 82.9808, 81.7403 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(235, 236, 223) }
```


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

```
.border{ border-color:rgb(235, 236, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 236, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5757, 82.9808, 81.7403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 223) }
```

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

```
.background{ background-color: rgb(235,  
236, 223) }
```

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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