

Converting Colors

XYZ(77.3722, 81.3378, 91.6776)

Have a look what the booklet for
XYZ(77.3722, 81.3378, 91.6776)
contains.

XYZ(77.3800, 81.3812, 91.7505)	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(77.3800, 81.3812,
91.7505)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E9ED
RGB	231, 233, 237
RGB Percent	91%, 91%, 93%
CMY	0.0941, 0.0863, 0.0706
CMYK	0.03, 0.02, 0.00, 0.07
HSL	220°, 14%, 92%
HSV	220°, 3%, 93%
XYZ	77.3800, 81.3812, 91.7505
YIQ	232.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

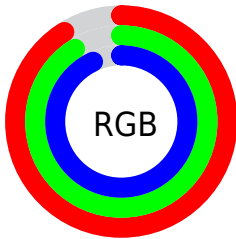
Format	Color
R _Y B	231, 233, 237
Decimal	15198701
CIE Lab	92.30, 0.06, -2.18
CIE LCh	92, 2.181, 271.565
Yxy	81.3812, 0.3089, 0.3249
Android (android.graphics.Color)	4293388781 (0xFFE7E9ED)
YUV	232.8580, 2.0420, -1.6295
Hunter-Lab	90.2115, -4.7597, 2.8466

Details

The XYZ color **77.3800, 81.3812, 91.7505** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.0573, 83.1898, 87.4931**, and the grayscale version is **77.3338, 81.3612, 88.6023**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7418, 43.8944, 49.9885** is the 20% darker color. If you saturate the color by 10%, you get **65.9725, 69.1629, 89.9946**, and if you desaturate by 10%, it is **90.2277, 94.9400, 93.6917**.

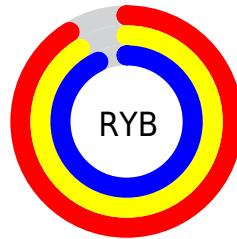
Distribution



Red (91%)

Green (91%)

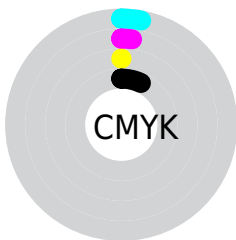
Blue (93%)



Red (91%)

Yellow (91%)

Blue (93%)

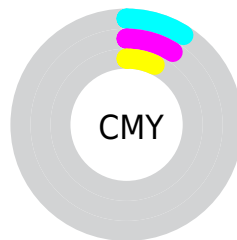


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3800, 81.3812, 91.7505 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 77.3800, 81.3812, 91.7505 by changing the saturation by 10% instead.

■ 77.3800, 81.3812,
91.7505

■ 77.3800, 81.3812,
91.7505

474.9308,
499.5755, 554.4252

■ 57.8658, 60.8556,
68.8515

128.6457,
135.3059, 151.7242

■ 41.9436, 44.1086,
50.1198

161.1280,
169.4738, 189.6361

■ 29.2481, 30.7559,
35.1368

198.6637,
208.9579, 233.3893

■ 19.4138, 20.4131,
23.4838

241.6182,
254.1426, 283.4025

■ 12.0754, 12.6957,
14.7425

290.3567,
305.4123, 340.0941

■ 6.8676, 7.2193,
8.4943

345.2448,

■ 3.4250, 3.5996,

363.1514, 403.8828

4.3205

406.6477,
427.7444, 475.1870

■ 1.3823, 1.4522,
1.8028

■ 0.2436, 0.2547,
0.4298

■ 77.3800, 81.3812,
91.7505

■ 77.3800, 81.3812,
91.7505

■ 65.9725, 69.1629,
89.9946

■ 90.2277, 94.9400,
93.6917

■ 55.9464, 58.2323,
88.4132

■ 92.2863, 98.8945,
94.3465

■ 47.2491, 48.5486,
87.0025

■ 39.8219, 40.0647,
85.7564

■ 33.6012, 32.7300,
84.6685

■ 28.5180, 26.4904,
83.7320

■ 24.4953, 21.2865,
82.9396

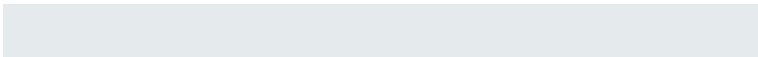
■ 21.4459, 17.0524,
82.2831

■ 19.2662, 13.7122,
81.7532

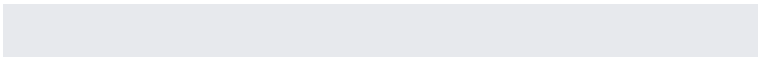
Harmonies

Analogous

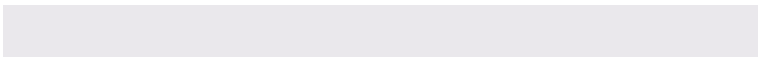
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8353, 81.3812, 91.3688



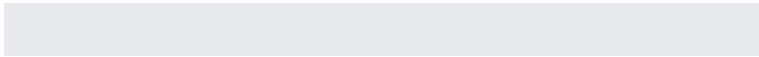
77.3800, 81.3812, 91.7505



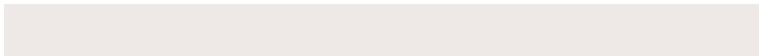
77.9193, 81.3812, 91.2823

Triad

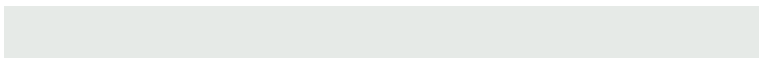
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3800, 81.3812, 91.7505



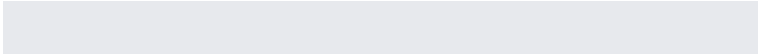
78.2778, 81.3812, 86.9949



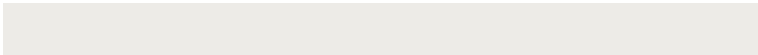
76.4009, 81.3812, 87.1400

Complementary

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



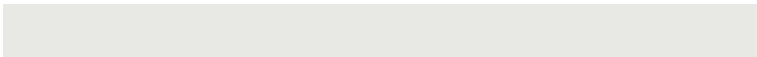
77.3800, 81.3812, 91.7505



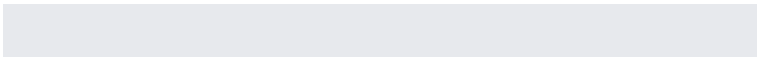
79.0573, 83.1898, 87.4931

Split Complementary

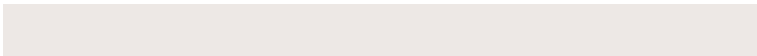
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7843, 81.3812, 85.9909



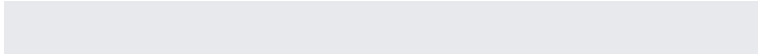
77.3800, 81.3812, 91.7505



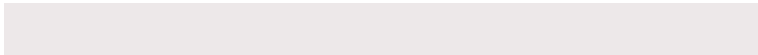
77.8678, 81.3812, 85.9079

Square

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



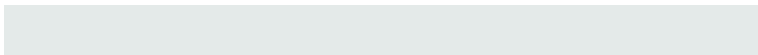
77.3800, 81.3812, 91.7505



78.4392, 81.3812, 88.5255



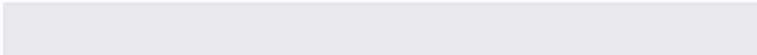
77.3208, 81.3812, 85.5426



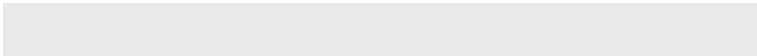
76.2717, 81.3812, 88.6951

Rectangle

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



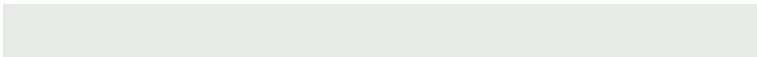
77.3800, 81.3812, 91.7505



78.2027, 81.3812, 90.5545



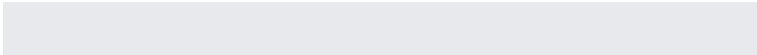
77.3208, 81.3812, 85.5426



76.5042, 81.3812, 86.6941

Sweetspot

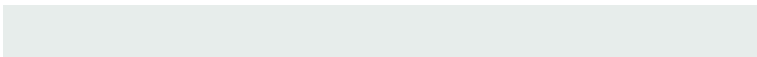
The Sweet Spot groups the original color and five complimentary colors.



77.3823, 81.3847, 91.7523



93.5786, 98.4407, 108.6766



78.2214, 83.5510, 90.5270



20.0452, 21.0868, 23.2636



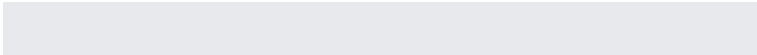
0.0000, 0.0000, 0.0000



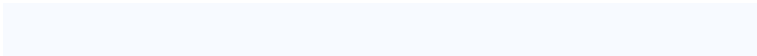
20.3446, 21.4041, 23.3091

Same Dimension

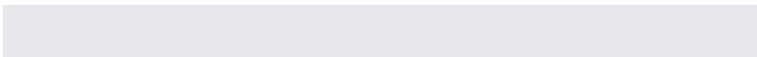
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3823, 81.3847, 91.7523



90.6874, 95.3700, 108.2362



77.1095, 80.4067, 91.5779



16.0254, 16.8503, 19.3301



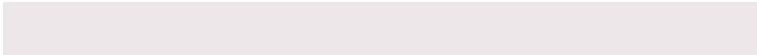
9.9860, 6.6189, 44.4942



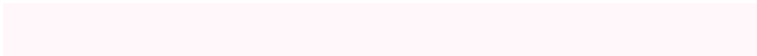
0.8698, 0.6910, 3.5224

Inverse Universe

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



78.2107, 81.0411, 88.6153



91.8483, 94.8920, 103.8393



79.3345, 84.1892, 87.6714



16.2852, 16.7446, 18.3456



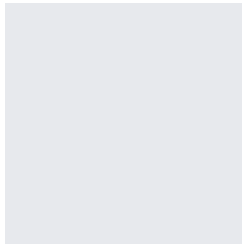
19.8958, 10.1610, 5.2524



1.6055, 0.8152, 0.6400

Previews

White Background



This preview shows how the XYZ color 77.3800, 81.3812, 91.7505 looks on a white background.

Color Contrast Check

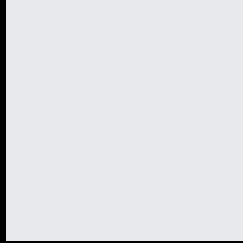
Large Text (above 18pt) WCAG AA × Fail

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 77.3800, 81.3812, 91.7505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

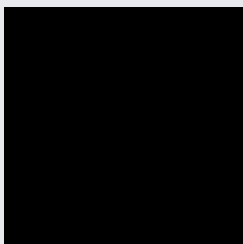
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

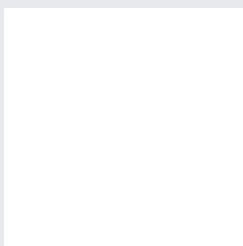
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3800, 81.3812, 91.7505

Background



This preview shows how black text looks on a background with the XYZ color 77.3800, 81.3812, 91.7505.



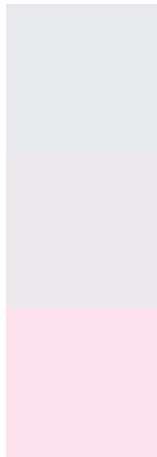
This preview shows how white text looks on a background with the XYZ color 77.3800, 81.3812, 91.7505.

91.7505.

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

77.3800, 81.3812, 91.7505

Protanopia

78.5890, 81.6022, 90.9656

Deuteranopia

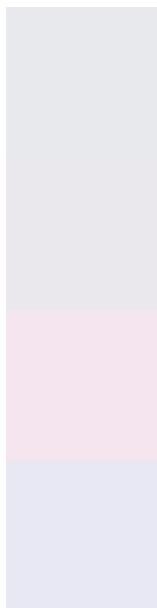
83.1370, 81.4484, 92.2282



Tritanopia

79.2791, 81.3150, 101.1394

Trichromacy



Original Color

77.3800, 81.3812, 91.7505

Protanomaly

77.9286, 81.2618, 90.9347

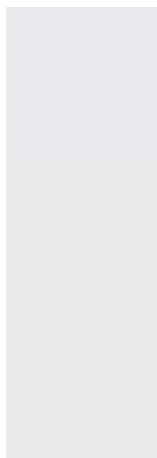
Deuteranomaly

81.1081, 81.6241, 92.3691

Tritanomaly

78.6168, 81.4616, 97.9663

Monochromacy



Original Color

77.3800, 81.3812, 91.7505

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2689, 81.3741, 89.4762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3800, 81.3812, 91.7505 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, 237) looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.3800, 81.3812, 91.7505 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, 237) }
```


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

```
.border{ border-color:rgb(231, 233, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3800, 81.3812, 91.7505 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, 237) }
```

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

```
.background{ background-color: rgb(231,  
233, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor