

Converting Colors

XYZ(77.8025, 80.3611, 91.6463)

Have a look what the booklet for
XYZ(77.8025, 80.3611, 91.6463)
contains.

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Color

**XYZ(77.8438, 80.3702,
91.5310)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE6ED
RGB	235, 230, 237
RGB Percent	92%, 90%, 93%
CMY	0.0784, 0.0980, 0.0706
CMYK	0.01, 0.03, 0.00, 0.07
HSL	283°, 16%, 92%
HSV	283°, 3%, 93%
XYZ	77.8438, 80.3702, 91.5310
YIQ	232.2930, 0.7330, 3.2370

Conversions

Conversions Part 2

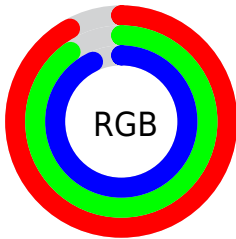
Format	Color
R _Y B	235, 230, 237
Decimal	15460077
CIE Lab	91.85, 2.93, -2.81
CIE LCh	92, 4.058, 316.255
Yxy	80.3702, 0.3117, 0.3218
Android (android.graphics.Color)	4293650157 (0xFFE6E6ED)
YUV	232.2930, 2.3206, 2.3740
Hunter-Lab	89.6494, -1.8926, 2.2202

Details

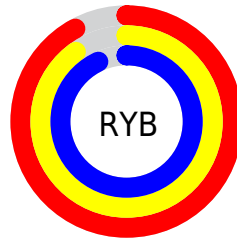
The XYZ color **77.8438, 80.3702, 91.5310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8489, 83.4396, 86.8694**, and the grayscale version is **76.9059, 80.9110, 88.1121**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2609, 43.5798, 49.9004** is the 20% darker color. If you saturate the color by 10%, you get **69.4978, 66.9352, 89.3789**, and if you desaturate by 10%, it is **87.1763, 95.6493, 93.9895**.

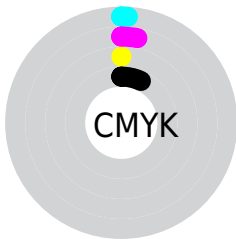
Distribution



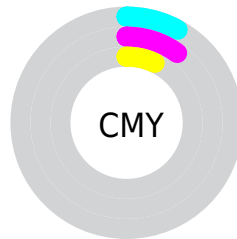
- Red (92%)
- Green (90%)
- Blue (93%)



- Red (92%)
- Yellow (90%)
- Blue (93%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8438, 80.3702, 91.5310 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 77.8438, 80.3702, 91.5310 by changing the saturation by 10% instead.

■ 77.8438, 80.3702,
91.5310

■ 77.8438, 80.3702,
91.5310

476.4841,
496.1796, 553.6967

■ 58.2480, 60.0230,
68.6703

129.2964,
133.8861, 151.4172

■ 42.2521, 43.4372,
49.9732

161.8840,
167.8236, 189.2799

■ 29.4907, 30.2283,
35.0210

199.5329,
207.0600, 232.9802

■ 19.5985, 20.0119,
23.3954

242.6084,
251.9798, 282.9368

■ 12.2101, 12.4037,
14.6777

291.4759,
302.9672, 339.5683

■ 6.9601, 7.0193,
8.4494

346.5008,

■ 3.4833, 3.4741,

360.4067, 403.2930

4.2920

408.0484,
424.6827, 474.5297

■ 1.4142, 1.3840,
1.7868

■ 0.2663, 0.2049,
0.4193

■ 77.8438, 80.3702,
91.5310

■ 77.8438, 80.3702,
91.5310

■ 69.4978, 66.9352,
89.3789

■ 87.1763, 95.6493,
93.9895

■ 62.0945, 55.2618,
87.5159

■ 89.9540, 97.6922,
94.2374

■ 55.5969, 45.2760,
85.9309

■ 92.2863, 98.8945,
94.3466

■ 49.9628, 36.8949,
84.6101

■ 45.1465, 30.0284,
83.5386

■ 41.0974, 24.5773,
82.6998

■ 37.7592, 20.4301,
82.0753

■ 35.0670, 17.4586,
81.6436

■ 32.9423, 15.5073,
81.3790

Harmonies

Analogous

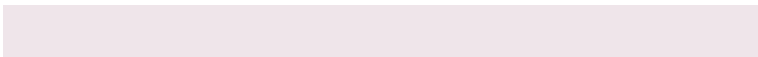
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9508, 80.3702, 93.1257



77.8438, 80.3702, 91.5310



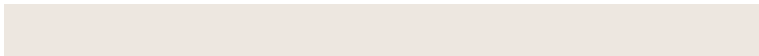
78.3492, 80.3702, 88.8778

Triad

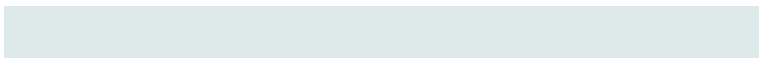
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8438, 80.3702, 91.5310



76.8658, 80.3702, 82.0615



74.4850, 80.3702, 89.1230

Complementary

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



77.8438, 80.3702, 91.5310



77.8489, 83.4396, 86.8694

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.



74.4627, 80.3702, 86.1553



77.8438, 80.3702, 91.5310



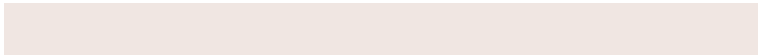
75.8309, 80.3702, 82.1237

Square

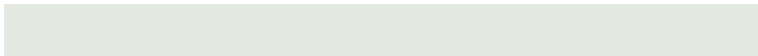
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



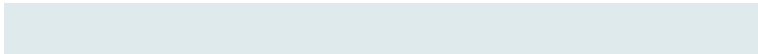
77.8438, 80.3702, 91.5310



77.7810, 80.3702, 83.4354



74.9534, 80.3702, 83.6075



75.0146, 80.3702, 91.7140

Rectangle

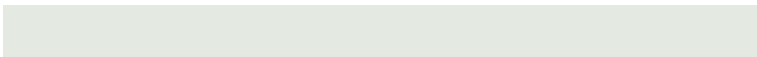
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8438, 80.3702, 91.5310



78.3953, 80.3702, 86.8867



74.9534, 80.3702, 83.6075



74.4181, 80.3702, 88.1352

Sweetspot

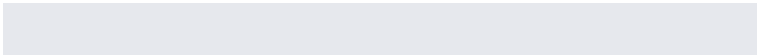
The Sweet Spot groups the original color and five complimentary colors.



77.8461, 80.3737, 91.5328



93.9742, 98.2458, 108.6181



76.8072, 80.7104, 91.6525



20.1257, 21.0471, 23.2517



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.



77.8461, 80.3737, 91.5328



90.8172, 93.1150, 107.7941



78.3066, 80.6346, 90.4912



16.1131, 16.4427, 19.2468



17.4429, 8.0281, 44.3732



1.4636, 0.6788, 3.4888

Inverse Universe

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



77.7902, 80.4280, 87.7723



90.7312, 93.2036, 101.7842



77.4006, 83.1857, 87.8784



16.0955, 16.4615, 17.9849



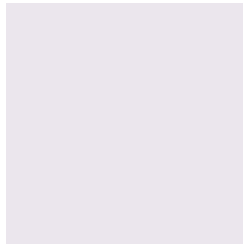
19.6822, 10.0756, 4.1280



1.5857, 0.8073, 0.5358

Previews

White Background



This preview shows how the XYZ color 77.8438, 80.3702, 91.5310 looks on a white background.

Color Contrast Check

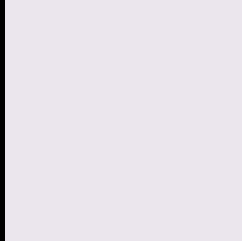
Large Text (above 18pt) WCAG AA × Fail

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 77.8438, 80.3702, 91.5310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

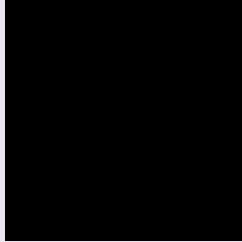
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

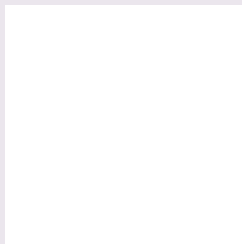
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8438, 80.3702, 91.5310

Background



This preview shows how black text looks on a background with the XYZ color 77.8438, 80.3702, 91.5310.



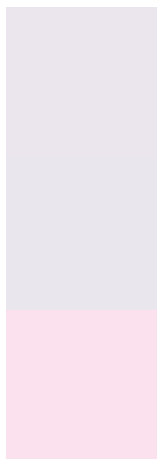
This preview shows how white text looks on a background with the XYZ color 77.8438, 80.3702,

91.5310.

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

77.8438, 80.3702, 91.5310

Protanopia

77.5146, 80.2005, 91.5155

Deuteranopia

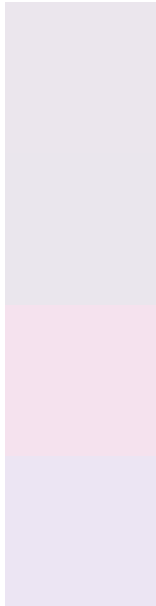
81.8719, 79.9936, 92.0141



Tritanopia

79.3999, 80.5869, 99.3657

Trichromacy



Original Color

77.8438, 80.3702, 91.5310

Protanomaly

77.5146, 80.2005, 91.5155

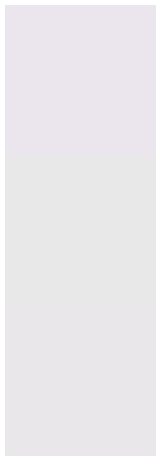
Deuteranomaly

80.2852, 79.9782, 92.0948

Tritanomaly

78.7890, 80.3426, 96.1491

Monochromacy



Original Color

77.8438, 80.3702, 91.5310

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.0315, 80.4160, 89.3037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8438, 80.3702, 91.5310 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, 230, 237) looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 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(235, 230, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.8438, 80.3702, 91.5310 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, 230, 237) }
```


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

```
.border{ border-color:rgb(235, 230, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 237);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8438, 80.3702, 91.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 237) }
```

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

```
.background{ background-color: rgb(235,  
230, 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](#).

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