

Converting Colors

XYZ(70.7446, 77.4937, 82.2329)

Have a look what the booklet for
XYZ(70.7446, 77.4937, 82.2329)
contains.

XYZ(70.7818, 77.3398, 82.4316)	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(70.7818, 77.3398,
82.4316)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E7E1
RGB	217, 231, 225
RGB Percent	85%, 91%, 88%
CMY	0.1490, 0.0941, 0.1176
CMYK	0.06, 0.00, 0.03, 0.09
HSL	154°, 23%, 88%
HSV	154°, 6%, 91%
XYZ	70.7818, 77.3398, 82.4316
YIQ	226.1300, -6.4180, -4.8340

Conversions

Conversions Part 2

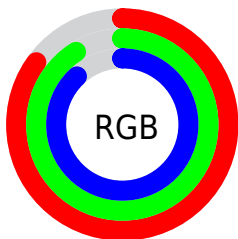
Format	Color
R_{YB}	217, 226, 231
Decimal	14280673
CIE _{Lab}	90.48, -5.75, 1.30
CIE _{LCh}	90, 5.893, 167.242
Yxy	77.3398, 0.3070, 0.3355
Android (android.graphics.Color)	4292470753 (0xFFD9E7E1)
YUV	226.1300, -0.5571, -8.0070
Hunter-Lab	87.9430, -10.2329, 5.9859

Details

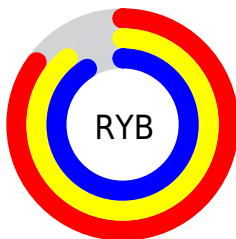
The XYZ color **70.7818, 77.3398, 82.4316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0900, 71.9444, 79.9556**, and the grayscale version is **72.3918, 76.1618, 82.9403**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4860, 41.2436, 44.0153** is the 20% darker color. If you saturate the color by 10%, you get **63.0785, 73.5224, 75.2226**, and if you desaturate by 10%, it is **79.5290, 81.6906, 90.1018**.

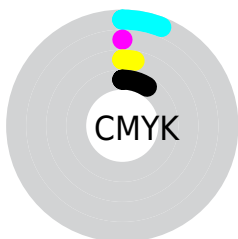
Distribution



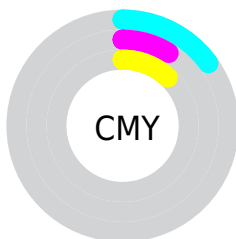
- Red (85%)
- Green (91%)
- Blue (88%)



- Red (85%)
- Yellow (89%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7818, 77.3398, 82.4316 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 70.7818, 77.3398, 82.4316 by changing the saturation by 10% instead.

■ 70.7818, 77.3398,
82.4316

■ 70.7818, 77.3398,
82.4316

452.5140,
485.9218, 523.0115

■ 52.4460, 57.5318,
61.1835

119.3432,
129.6190, 138.6212

■ 37.5864, 41.4324,
43.9417

150.2995,
162.8591, 174.3997

■ 25.8376, 28.6571,
30.2878

186.1934,
201.3452, 215.8588

■ 16.8342, 18.8216,
19.8033

227.3903,
245.4619, 263.4170

■ 10.2110, 11.5414,
12.0695

274.2554,
295.5935, 317.4929

■ 5.6024, 6.4322,
6.6679

327.1542,

■ 2.6432, 3.1096,

352.1244, 378.5048

3.1800

386.4519,
415.4391, 446.8716

■ 0.9680, 1.1892,
1.1873

■ 0.0000, 0.0529,
0.0000

■ 70.7818, 77.3398,
82.4316

■ 70.7818, 77.3398,
82.4316

■ 63.0785, 73.5224,
75.2226

■ 79.5290, 81.6906,
90.1018

■ 56.3715, 70.2075,
68.4608

■ 86.2697, 84.9957,
98.0924

■ 50.6191, 67.3760,
62.1390

■ 87.8212, 85.6163,
106.2625

■ 45.7743, 65.0038,
56.2476

■ 87.8674, 85.6348,
106.5058

■ 41.7857, 63.0645,
50.7769

■ 38.5964, 61.5291,
45.7163

■ 36.1426, 60.3648,
41.0552

■ 34.3498, 59.5333,
36.7817

■ 33.1258, 58.9873,
32.8831

Harmonies

Analogous

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



71.4496, 77.3398, 78.8232



70.7818, 77.3398, 82.4316



70.8377, 77.3398, 86.6366

Triad

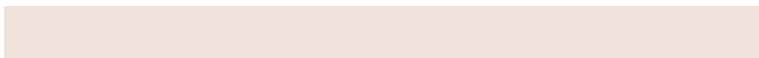
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7818, 77.3398, 82.4316



74.3517, 77.3398, 92.1952



75.4484, 77.3398, 78.3947

Complementary

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



70.7818, 77.3398, 82.4316



71.0900, 71.9444, 79.9556

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.



76.2469, 77.3398, 81.8289



70.7818, 77.3398, 82.4316



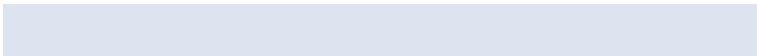
75.6079, 77.3398, 89.8366

Square

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



70.7818, 77.3398, 82.4316



72.8856, 77.3398, 92.3697



76.3057, 77.3398, 86.0136



74.1363, 77.3398, 76.5454

Rectangle

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



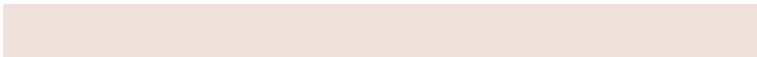
70.7818, 77.3398, 82.4316



71.2778, 77.3398, 89.2138



76.3057, 77.3398, 86.0136



75.7866, 77.3398, 79.3967

Sweetspot

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



70.7840, 77.3431, 82.4333



92.8484, 98.9055, 106.9698



71.5550, 77.8637, 76.9046



19.8965, 21.1813, 22.9163



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.



70.7840, 77.3431, 82.4333



87.5773, 96.2872, 102.2464



71.3571, 77.1553, 86.7368



14.8542, 16.3860, 17.3653



18.4170, 32.9989, 17.9620



1.4073, 2.4570, 1.5713

Inverse Universe

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



71.0900, 71.9444, 79.9556



88.0190, 88.4958, 98.6707



70.5359, 72.1089, 75.8475



14.9349, 14.9626, 16.7121



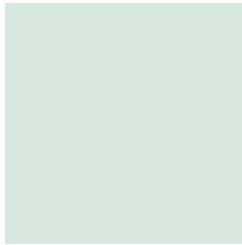
19.7980, 10.0534, 7.8310



1.5088, 0.7612, 0.8197

Previews

White Background



This preview shows how the XYZ color 70.7818, 77.3398, 82.4316 looks on a white background.

Color Contrast Check

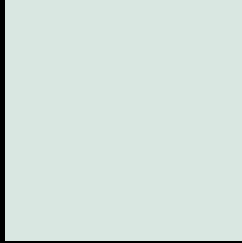
Large Text (above 18pt) WCAG AA × Fail

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 70.7818, 77.3398, 82.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

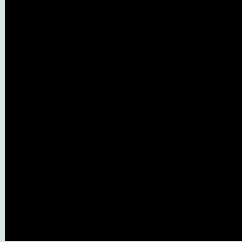
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

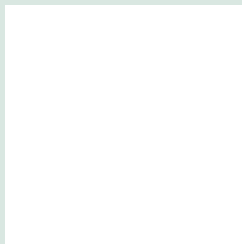
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7818, 77.3398, 82.4316

Background



This preview shows how black text looks on a background with the XYZ color 70.7818, 77.3398, 82.4316.

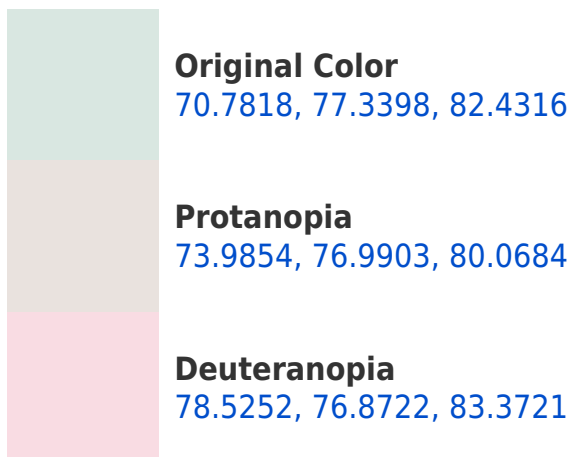


This preview shows how white text looks on a background with the XYZ color 70.7818, 77.3398,

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

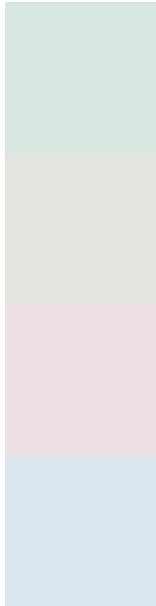




Tritanopia

73.8932, 77.3563, 98.2254

Trichromacy



Original Color

70.7818, 77.3398, 82.4316

Protanomaly

72.7412, 77.1454, 80.8687

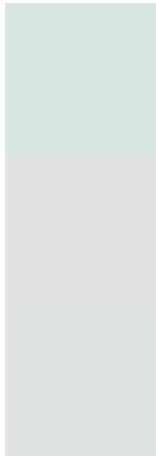
Deuteranomaly

75.3082, 76.8068, 82.8075

Tritanomaly

72.6653, 77.2717, 91.9740

Monochromacy



Original Color

70.7818, 77.3398, 82.4316

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.9023, 76.6658, 82.9598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7818, 77.3398, 82.4316 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(217, 231, 225) looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 225)  
}
```

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(217, 231, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 225) }
```

Border

The CSS property to change the border of an element to XYZ 70.7818, 77.3398, 82.4316 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(217, 231, 225) }
```


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

```
.border{ border-color:rgb(217, 231, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 231, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 225);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7818, 77.3398, 82.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 231, 225) }
```

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

```
.background{ background-color: rgb(217,  
231, 225) }
```

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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