

Converting Colors

XYZ(70.4131, 77.5735, 87.8316)

Have a look what the booklet for
XYZ(70.4131, 77.5735, 87.8316)
contains.

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Color

**XYZ(70.2861, 77.3883,
87.5769)**

Conversions

Conversions Part 1

Format	Color
Hex	D3E8E8
RGB	211, 232, 232
RGB Percent	83%, 91%, 91%
CMY	0.1725, 0.0902, 0.0902
CMYK	0.09, 0.00, 0.00, 0.09
HSL	180°, 31%, 87%
HSV	180°, 9%, 91%
XYZ	70.2861, 77.3883, 87.5769
YIQ	225.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

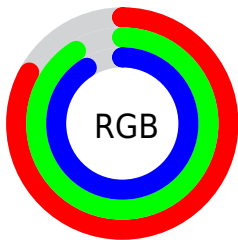
Format	Color
RYB	211, 222, 232
Decimal	13887720
CIELab	90.50, -6.90, -2.38
CIELCh	91, 7.302, 198.994
Yxy	77.3883, 0.2988, 0.3290
Android (android.graphics.Color)	4292077800 (0xFFD3E8E8)
YUV	225.7210, 3.0955, -12.9103
Hunter-Lab	87.9706, -11.3320, 2.5548

Details

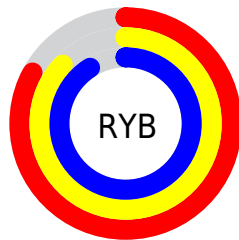
The XYZ color **70.2861, 77.3883, 87.5769** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.3337, 68.4496, 71.2422**, and the grayscale version is **72.0739, 75.8274, 82.5760**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0721, 41.2532, 47.0830** is the 20% darker color. If you saturate the color by 10%, you get **64.1134, 74.2083, 87.2868**, and if you desaturate by 10%, it is **77.4225, 81.0693, 87.9153**.

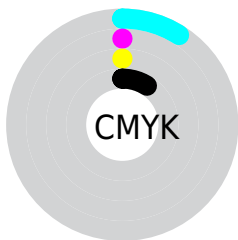
Distribution



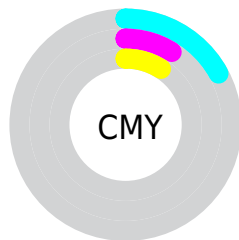
- Red (83%)
- Green (91%)
- Blue (91%)



- Red (83%)
- Yellow (87%)
- Blue (91%)



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



- Cyan (17%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2861, 77.3883, 87.5769 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 70.2861, 77.3883, 87.5769 by changing the saturation by 10% instead.

70.2861, 77.3883,
87.5769

70.2861, 77.3883,
87.5769

450.8047,
486.0869, 540.4820

52.0402, 57.5716,
65.4104

118.6407,
129.6875, 145.8739

37.2616, 41.4644,
47.3405

149.4802,
162.9387, 182.8415

25.5847, 28.6821,
32.9486

185.2482,
201.4370, 225.5799

16.6442, 18.8405,
21.8163

226.3102,
245.5666, 274.5075

10.0749, 11.5551,
13.5249

273.0315,
295.7121, 330.0430

5.5113, 6.4415,
7.6561

325.7774,

2.5881, 3.1153,

352.2577, 392.6049

3.7911

384.9134,
415.5878, 462.6117

■ 0.9399, 1.1922,
1.5114

■ 0.0000, 0.0554,
0.2264

■ 70.2861, 77.3883,
87.5769

■ 70.2861, 77.3883,
87.5769

■ 64.1134, 74.2083,
87.2868

■ 77.4225, 81.0693,
87.9153

■ 58.8569, 71.4985,
87.0380

■ 84.6648, 84.8028,
88.2571

■ 54.4749, 69.2396,
86.8301

■ 84.6654, 84.8030,
88.2599

■ 50.9200, 67.4071,
86.6609

■ 84.6659, 84.8032,
88.2627

■ 48.1403, 65.9742,
86.5280

■ 84.6665, 84.8034,
88.2656

■ 46.0780, 64.9111,
86.4287

■ 84.6670, 84.8037,
88.2684

■ 44.6673, 64.1839,
86.3599

■ 84.6675, 84.8039,
88.2713

■ 43.8302, 63.7524,
86.3179

■ 84.6681, 84.8041,
88.2741

■ 43.4464, 63.5546,
86.2971

■ 84.6686, 84.8043,
88.2770

Harmonies

Analogous

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



70.1634, 77.3883, 82.3582



70.2861, 77.3883, 87.5769



71.2762, 77.3883, 92.0784

Triad

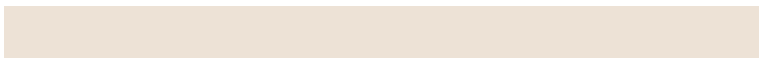
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2861, 77.3883, 87.5769



76.2359, 77.3883, 91.0319



74.2274, 77.3883, 74.7756

Complementary

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



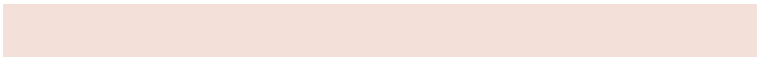
70.2861, 77.3883, 87.5769



68.3337, 68.4496, 71.2422

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.



75.8824, 77.3883, 76.9023



70.2861, 77.3883, 87.5769



77.0547, 77.3883, 86.1964

Square

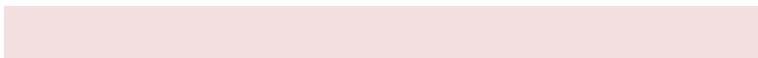
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2861, 77.3883, 87.5769



74.7036, 77.3883, 94.1294



76.9242, 77.3883, 81.0332



72.4188, 77.3883, 75.1107

Rectangle

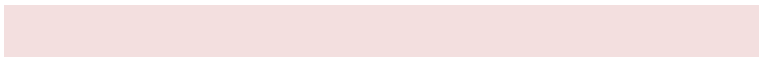
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2861, 77.3883, 87.5769



72.3042, 77.3883, 93.9995



76.9242, 77.3883, 81.0332



74.8206, 77.3883, 75.2226

Sweetspot

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



70.2883, 77.3916, 87.5786



92.2911, 98.5778, 108.7698



67.5811, 76.3203, 72.7988



19.6003, 21.0204, 23.2740



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.



70.2883, 77.3916, 87.5786



85.4720, 95.0625, 108.4479



67.5132, 71.8405, 86.6560



14.8074, 16.3364, 18.5166



24.1033, 35.2734, 47.9058



1.7812, 2.6066, 3.5402

Inverse Universe

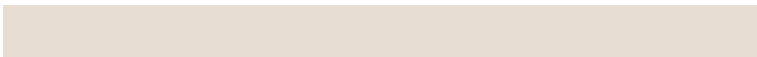
The Inverse Universe completely reimagines the original color for something new.



68.3337, 68.4496, 71.2422



82.5543, 81.7144, 84.0616



70.9355, 73.6539, 72.1073



14.3772, 14.3680, 14.9205



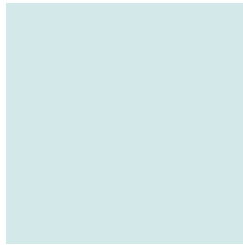
18.4752, 9.5243, 0.8655



1.3653, 0.7038, 0.0641

Previews

White Background



This preview shows how the XYZ color 70.2861, 77.3883, 87.5769 looks on a white background.

Color Contrast Check

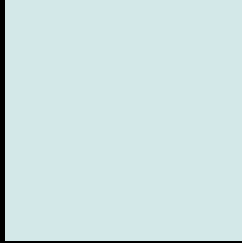
Large Text (above 18pt) WCAG AA × Fail

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 70.2861, 77.3883, 87.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

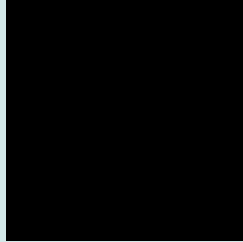
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

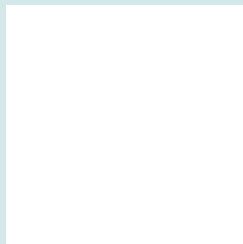
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2861, 77.3883, 87.5769

Background



This preview shows how black text looks on a background with the XYZ color 70.2861, 77.3883, 87.5769.



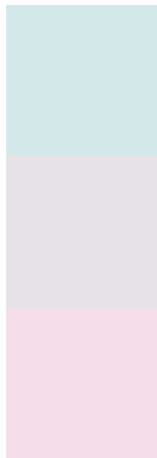
This preview shows how white text looks on a background with the XYZ color 70.2861, 77.3883, 87.5769.

87.5769.

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

70.2861, 77.3883, 87.5769

Protanopia

74.2942, 77.0388, 85.0830

Deuteranopia

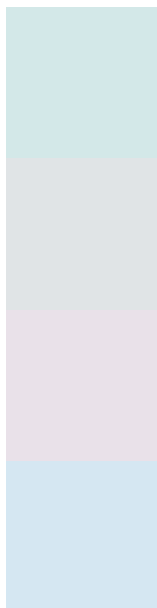
78.7138, 77.2462, 88.6033



Tritanopia

72.9716, 77.6671, 99.9522

Trichromacy



Original Color

70.2861, 77.3883, 87.5769

Protanomaly

72.7668, 77.0473, 85.8993

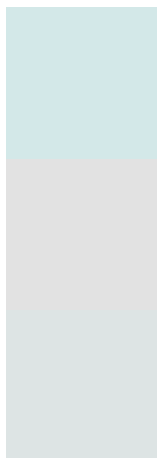
Deuteranomaly

75.2375, 77.0573, 87.9989

Tritanomaly

72.0435, 77.7088, 95.2066

Monochromacy



Original Color

70.2861, 77.3883, 87.5769

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.5658, 76.4604, 84.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2861, 77.3883, 87.5769 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(211, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(211, 232, 232)  
}
```

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(211, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.2861, 77.3883, 87.5769 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(211, 232, 232) }
```


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

```
.border{ border-color:rgb(211, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(211, 232,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2861, 77.3883, 87.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 232, 232) }
```

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

```
.background{ background-color: rgb(211,  
232, 232) }
```

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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