

Converting Colors

XYZ(70.5851, 77.3497, 88.1911)

Have a look what the booklet for
XYZ(70.5851, 77.3497, 88.1911)
contains.

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Color

**XYZ(70.7160, 77.5935,
88.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E8E9
RGB	212, 232, 233
RGB Percent	83%, 91%, 91%
CMY	0.1686, 0.0902, 0.0863
CMYK	0.09, 0.00, 0.00, 0.09
HSL	183°, 32%, 87%
HSV	183°, 9%, 91%
XYZ	70.7160, 77.5935, 88.3407
YIQ	226.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

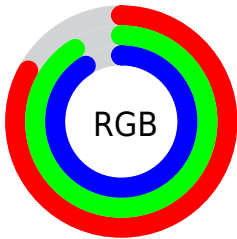
Format	Color
R _Y B	212, 222, 233
Decimal	13953257
CIE Lab	90.59, -6.39, -2.75
CIE LCh	91, 6.958, 203.313
Yxy	77.5935, 0.2988, 0.3279
Android (android.graphics.Color)	4292143337 (0xFFD4E8E9)
YUV	226.1340, 3.3849, -12.3955
Hunter-Lab	88.0872, -10.8535, 2.2004

Details

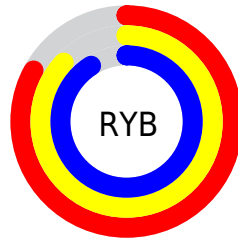
The XYZ color **70.7160, 77.5935, 88.3407** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2826, 69.6652, 72.0838**, and the grayscale version is **72.3702, 76.1390, 82.9154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3658, 41.3931, 47.6153** is the 20% darker color. If you saturate the color by 10%, you get **64.1684, 73.7596, 87.9470**, and if you desaturate by 10%, it is **78.2393, 81.9375, 88.7839**.

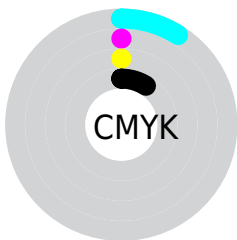
Distribution



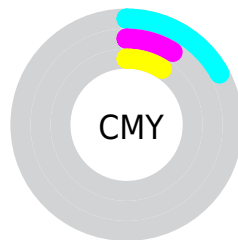
- Red (83%)
- Green (91%)
- Blue (91%)



- 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 70.7160, 77.5935, 88.3407 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 70.7160, 77.5935, 88.3407 by changing the saturation by 10% instead.

■ 70.7160, 77.5935,
88.3407

■ 70.7160, 77.5935,
88.3407

452.2873,
486.7852, 543.0485

■ 52.3922, 57.7401,
66.0393

119.2500,
129.9769, 146.9467

■ 37.5433, 41.5997,
47.8476

150.1908,
163.2758, 184.0884

■ 25.8040, 28.7880,
33.3471

186.0680,
201.8252, 227.0140

■ 16.8090, 18.9205,
22.1192

227.2470,
246.0096, 276.1419

■ 10.1929, 11.6129,
13.7454

274.0931,
296.2134, 331.8908

■ 5.5903, 6.4806,
7.8070

326.9716,

■ 2.6358, 3.1395,

352.8210, 394.6792

3.8857

386.2479,
416.2168, 464.9256

■ 0.9643, 1.2050,
1.5629

■ 0.0000, 0.0658,
0.2641

■ 70.7160, 77.5935,
88.3407

■ 70.7160, 77.5935,
88.3407

■ 64.1684, 73.7596,
87.9470

■ 78.2393, 81.9375,
88.7839

■ 58.5485, 70.4048,
87.5956


■ 85.4327, 86.1122,
89.2105


■ 53.8141, 67.5094,
87.2863


■ 85.7488, 86.7445,
89.3159


■ 49.9175, 65.0487,
87.0167


■ 86.0669, 87.3807,
89.4219


 46.8061, 62.9957,
86.7844


 86.3870, 88.0209,
89.5286


 44.4215, 61.3203,
86.5867


 86.7091, 88.6650,
89.6360


 42.6973, 59.9882,
86.4205

 87.0331, 89.3130,
89.7440

 41.5546, 58.9588,
86.2820

 87.3591, 89.9651,
89.8527

 40.8728, 58.1698,
86.1657

 87.6871, 90.6211,
89.9620

Harmonies

Analogous

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



70.4725, 77.5935, 83.3737



70.7160, 77.5935, 88.3407



71.7667, 77.5935, 92.4167

Triad

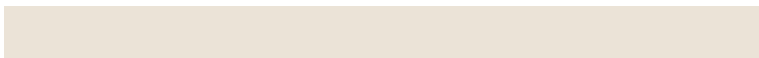
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7160, 77.5935, 88.3407



76.4698, 77.5935, 90.3495



74.1411, 77.5935, 75.3099

Complementary

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



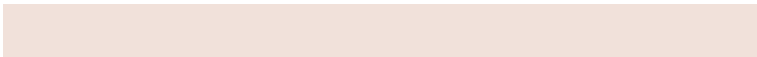
70.7160, 77.5935, 88.3407



69.2826, 69.6652, 72.0838

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.



75.7701, 77.5935, 77.0227



70.7160, 77.5935, 88.3407



77.1282, 77.5935, 85.6084

Square

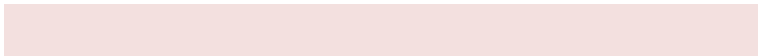
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7160, 77.5935, 88.3407



75.0842, 77.5935, 93.6080



76.8702, 77.5935, 80.7453



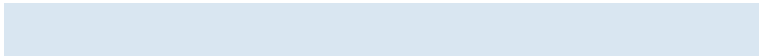
72.4323, 77.5935, 75.9770

Rectangle

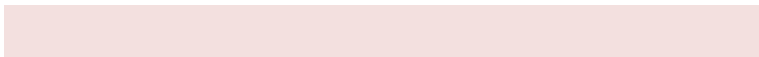
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



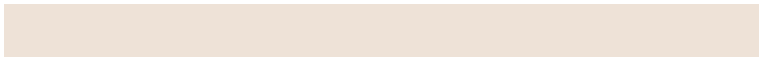
70.7160, 77.5935, 88.3407



72.7924, 77.5935, 94.0147



76.8702, 77.5935, 80.7453



74.7165, 77.5935, 75.6241

Sweetspot

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



70.7182, 77.5968, 88.3424



92.1756, 98.3465, 108.7323



68.2638, 77.0651, 74.0298



19.5690, 20.9577, 23.2638



0.0000, 0.0000, 0.0000



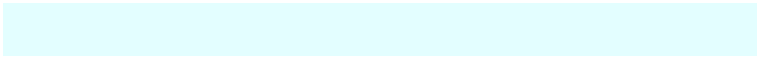
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7182, 77.5968, 88.3424



85.0496, 94.2165, 108.3107



67.9288, 72.0180, 87.4126



15.4529, 16.9922, 19.3876



23.1857, 33.0184, 48.8941



1.8396, 2.6306, 3.8457

Inverse Universe

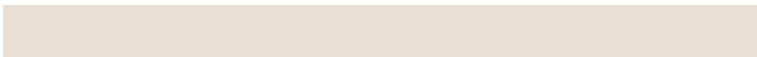
The Inverse Universe completely reimagines the original color for something new.



71.7150, 70.2384, 86.1254



86.5318, 83.3054, 105.0071



71.9303, 74.9607, 72.9664



15.6821, 15.3007, 18.8774



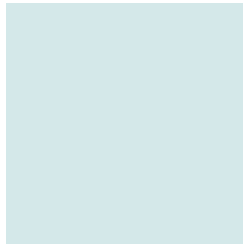
26.5584, 12.8260, 40.3372



2.0950, 1.0110, 3.2177

Previews

White Background



This preview shows how the XYZ color 70.7160, 77.5935, 88.3407 looks on a white background.

Color Contrast Check

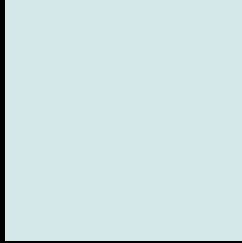
Large Text (above 18pt) WCAG AA × Fail

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 70.7160, 77.5935, 88.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

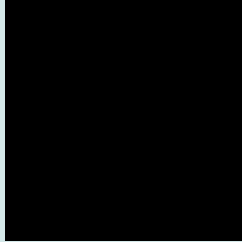
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

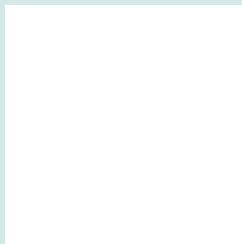
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7160, 77.5935, 88.3407

Background



This preview shows how black text looks on a background with the XYZ color 70.7160, 77.5935, 88.3407.

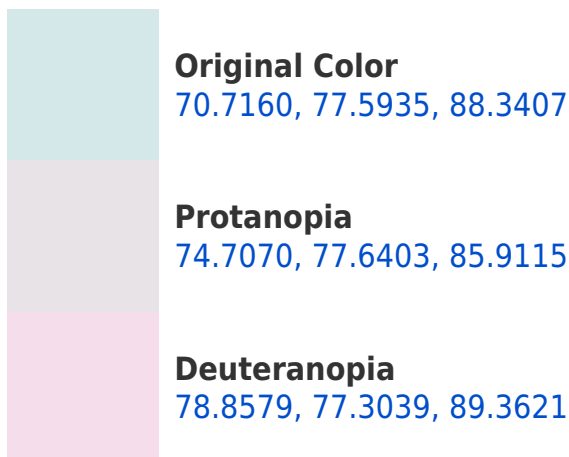


This preview shows how white text looks on a background with the XYZ color 70.7160, 77.5935,

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

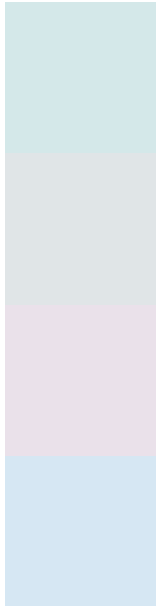




Tritanopia

73.2644, 77.8180, 99.9659

Trichromacy



Original Color

70.7160, 77.5935, 88.3407

Protanomaly

73.1836, 77.6554, 86.7331

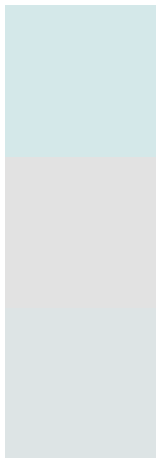
Deuteranomaly

75.7082, 77.2834, 88.7688

Tritanomaly

72.4851, 77.9190, 96.0135

Monochromacy



Original Color

70.7160, 77.5935, 88.3407

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7051, 76.5161, 85.1186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7160, 77.5935, 88.3407 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(212, 232, 233)` looks like.

```
.text, #text, p{  
    color:rgb(212, 232, 233)  
}
```

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(212, 232, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 232, 233) }
```

Border

The CSS property to change the border of an element to XYZ 70.7160, 77.5935, 88.3407 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(212, 232, 233) }
```


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

```
.border{ border-color:rgb(212, 232, 233) }
```

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

Here you see how a box with a 4 pixel rgb(212, 232, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(212, 232,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7160, 77.5935, 88.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 232, 233) }
```

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

```
.background{ background-color: rgb(212,  
232, 233) }
```

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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