

Converting Colors

XYZ(70.3010, 78.5015, 87.2946)

Have a look what the booklet for
XYZ(70.3010, 78.5015, 87.2946)
contains.

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Color

**XYZ(70.4266, 78.7415,
87.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EBE7
RGB	209, 235, 231
RGB Percent	82%, 92%, 91%
CMY	0.1804, 0.0784, 0.0941
CMYK	0.11, 0.00, 0.02, 0.08
HSL	171°, 39%, 87%
HSV	171°, 11%, 92%
XYZ	70.4266, 78.7415, 87.0881
YIQ	226.7700, -14.2120, -6.7560

Conversions

Conversions Part 2

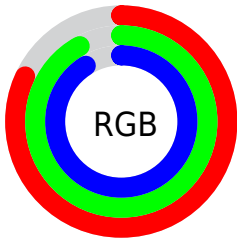
Format	Color
R _Y B	209, 223, 235
Decimal	13757415
CIE Lab	91.12, -9.26, -0.97
CIE LCh	91, 9.313, 185.952
Yxy	78.7415, 0.2981, 0.3333
Android (android.graphics.Color)	4291947495 (0xFFD1EBE7)
YUV	226.7700, 2.0854, -15.5843
Hunter-Lab	88.7364, -13.6203, 3.9268

Details

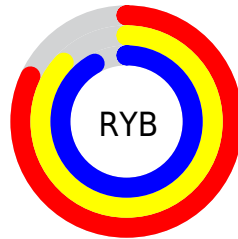
The XYZ color **70.4266, 78.7415, 87.0881** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0744, 68.0692, 72.4523**, and the grayscale version is **72.8411, 76.6345, 83.4550**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1844, 42.2054, 46.7441** is the 20% darker color. If you saturate the color by 10%, you get **63.7567, 75.3636, 84.1372**, and if you desaturate by 10%, it is **78.0923, 82.6358, 90.1440**.

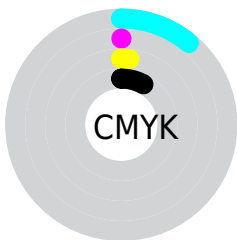
Distribution



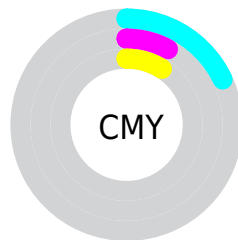
- Red (82%)
- Green (92%)
- Blue (91%)



- Red (82%)
- Yellow (87%)
- Blue (92%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)



- Cyan (18%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4266, 78.7415, 87.0881 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 70.4266, 78.7415, 87.0881 by changing the saturation by 10% instead.

70.4266, 78.7415,
87.0881

70.4266, 78.7415,
87.0881

451.2895,
490.6814, 538.8360

52.1552, 58.6833,
65.0081

118.8399,
131.5949, 145.1869

37.3536, 42.3582,
47.0162

149.7125,
165.1589, 182.0427

25.6563, 29.3819,
32.6941

185.5163,
203.9935, 224.6609

16.6980, 19.3699,
21.6230

226.6165,
248.4833, 273.4600

10.1134, 11.9379,
13.3845

273.3786,
299.0126, 328.8585

5.5371, 6.7014,
7.5600

326.1679,

2.6036, 3.2761,

355.9658, 391.2750

3.7310

385.3498,
419.7273, 461.1280

■ 0.9478, 1.2775,
1.4790

■ 0.0000, 0.1237,
0.2022

■ 70.4266, 78.7415,
87.0881

■ 70.4266, 78.7415,
87.0881

■ 63.7567, 75.3636,
84.1372

■ 78.0923, 82.6358,
90.1440

■ 58.0330, 72.4702,
81.2839

■ 86.4174, 86.8667,
93.2846

■ 53.2118, 70.0408,
78.5272

■ 86.9552, 87.0818,
96.1165

■ 49.2432, 68.0497,
75.8646

■ 87.5037, 87.3012,
99.0051

■ 46.0725, 66.4688,
73.2932

■ 88.0631, 87.5249,
101.9506

■ 43.6386, 65.2665,
70.8097

■ 88.6333, 87.7530,
104.9533

■ 41.8712, 64.4066,
68.4106

■ 88.9998, 87.8996,
106.8833

■ 40.6864, 63.8460,
66.0915

■ 39.9982, 63.5350,
64.0812

Harmonies

Analogous

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



70.7812, 78.7415, 80.5583



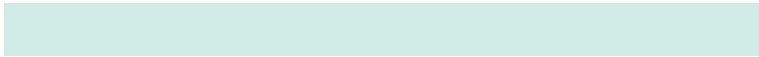
70.4266, 78.7415, 87.0881



71.2347, 78.7415, 93.5790

Triad

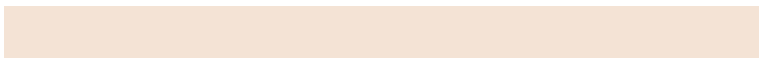
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4266, 78.7415, 87.0881



77.5321, 78.7415, 96.6706



76.7022, 78.7415, 74.4283

Complementary

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



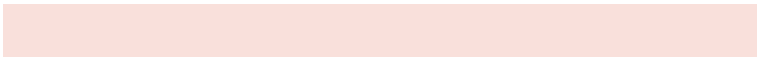
70.4266, 78.7415, 87.0881



69.0744, 68.0692, 72.4523

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.



78.5679, 78.7415, 78.3442



70.4266, 78.7415, 87.0881



79.0540, 78.7415, 91.1311

Square

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



70.4266, 78.7415, 87.0881



75.3120, 78.7415, 99.2948



79.4370, 78.7415, 84.3982



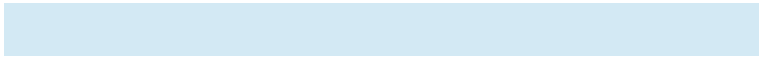
74.3728, 78.7415, 73.4715

Rectangle

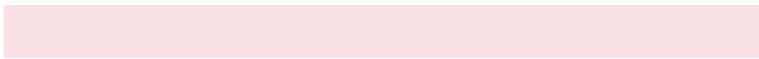
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4266, 78.7415, 87.0881



72.3342, 78.7415, 96.9386



79.4370, 78.7415, 84.3982



77.4059, 78.7415, 75.4318

Sweetspot

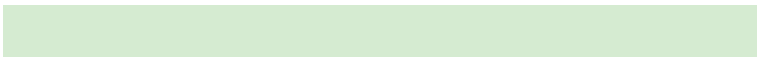
The Sweet Spot groups the original color and five complimentary colors.



70.4288, 78.7448, 87.0898



92.1023, 98.5022, 107.7753



68.7567, 78.2195, 71.7967



19.5491, 20.9999, 23.0044



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.



70.4288, 78.7448, 87.0898



83.0773, 93.9215, 104.1073



68.5793, 74.1304, 89.2953



15.4122, 17.0797, 18.8535



22.2983, 35.3738, 35.8657



1.7779, 2.7885, 2.9581

Inverse Universe

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



69.0744, 68.0692, 72.4523



81.1802, 78.9664, 83.6030



70.7573, 72.2382, 70.5368



15.1600, 15.0919, 16.1278



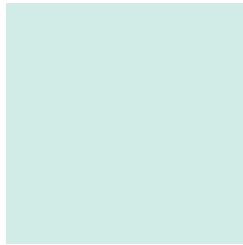
19.2759, 9.9130, 1.9882



1.5424, 0.7899, 0.3079

Previews

White Background



This preview shows how the XYZ color 70.4266, 78.7415, 87.0881 looks on a white background.

Color Contrast Check

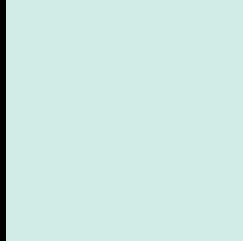
Large Text (above 18pt) WCAG AA × Fail

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 70.4266, 78.7415, 87.0881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

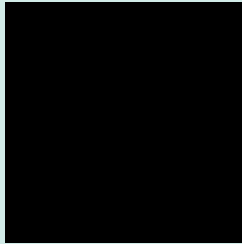
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

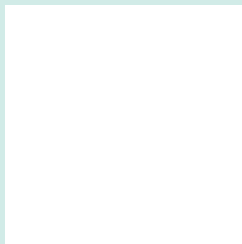
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4266, 78.7415, 87.0881

Background



This preview shows how black text looks on a background with the XYZ color 70.4266, 78.7415, 87.0881.

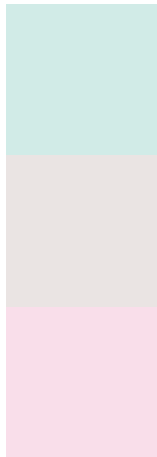


This preview shows how white text looks on a background with the XYZ color 70.4266, 78.7415,

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

70.4266, 78.7415, 87.0881

Protanopia

75.5402, 78.5253, 83.8485

Deuteranopia

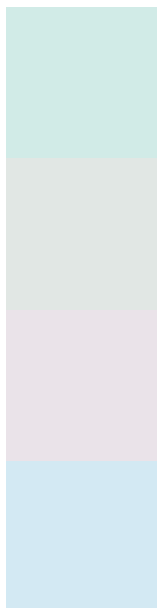
80.0395, 78.3228, 88.7412



Tritanopia

73.2633, 78.6124, 101.7548

Trichromacy



Original Color

70.4266, 78.7415, 87.0881

Protanomaly

73.6308, 78.7608, 84.7204

Deuteranomaly

76.1088, 78.3138, 88.1955

Tritanomaly

72.1805, 78.5978, 96.1606

Monochromacy



Original Color

70.4266, 78.7415, 87.0881

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.8156, 77.4107, 84.5555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4266, 78.7415, 87.0881 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(209, 235, 231)` looks like.

```
.text, #text, p{  
    color:rgb(209, 235, 231)  
}
```

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(209, 235, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 235, 231) }
```

Border

The CSS property to change the border of an element to XYZ 70.4266, 78.7415, 87.0881 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(209, 235, 231) }
```


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

```
.border{ border-color:rgb(209, 235, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 235, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 235, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 235, 231);  
box-shadow:4px 4px 4px 4px rgb(209, 235,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4266, 78.7415, 87.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 235, 231) }
```

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

```
.background{ background-color: rgb(209,  
235, 231) }
```

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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