

Converting Colors

XYZ(70.1142, 78.4833, 85.9146)

Have a look what the booklet for
XYZ(70.1142, 78.4833, 85.9146)
contains.

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Color

**XYZ(70.1457, 78.6291,
85.6086)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EBE5
RGB	209, 235, 229
RGB Percent	82%, 92%, 90%
CMY	0.1804, 0.0784, 0.1020
CMYK	0.11, 0.00, 0.03, 0.08
HSL	166°, 39%, 87%
HSV	166°, 11%, 92%
XYZ	70.1457, 78.6291, 85.6086
YIQ	226.5420, -13.5700, -7.3780

Conversions

Conversions Part 2

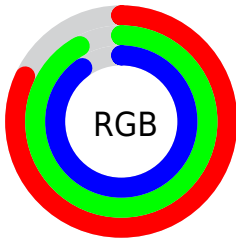
Format	Color
R_{YB}	209, 224, 235
Decimal	13757413
CIE Lab	91.07, -9.65, 0.00
CIE LCh	91, 9.646, 179.978
Yxy	78.6291, 0.2993, 0.3355
Android (android.graphics.Color)	4291947493 (0xFFD1EBE5)
YUV	226.5420, 1.2118, -15.3843
Hunter-Lab	88.6731, -13.9736, 4.8301

Details

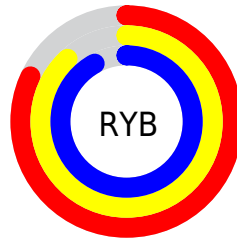
The XYZ color **70.1457, 78.6291, 85.6086** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.3300, 68.1715, 73.7980**, and the grayscale version is **72.6815, 76.4666, 83.2721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0865, 42.1662, 46.2286** is the 20% darker color. If you saturate the color by 10%, you get **63.2357, 75.1552, 81.3934**, and if you desaturate by 10%, it is **78.0646, 82.6247, 89.9979**.

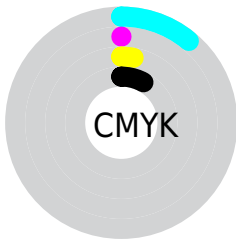
Distribution



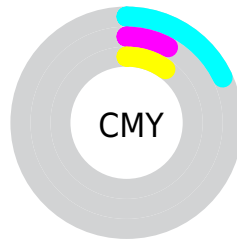
- Red (82%)
- Green (92%)
- Blue (90%)



- Red (82%)
- Yellow (88%)
- Blue (92%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (18%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1457, 78.6291, 85.6086 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 70.1457, 78.6291, 85.6086 by changing the saturation by 10% instead.

70.1457, 78.6291,
85.6086

70.1457, 78.6291,
85.6086

450.3199,
490.3007, 533.8368

51.9253, 58.5909,
63.7913

118.4416,
131.4366, 143.1049

37.1696, 42.2839,
46.0366

149.2480,
164.9747, 179.6210

25.5131, 29.3236,
31.9258

184.9803,
203.7815, 221.8737

16.5905, 19.3258,
21.0405

226.0040,
248.2415, 270.2817

10.0365, 11.9059,
12.9621

272.6845,
298.7390, 325.2635

5.4856, 6.6796,
7.2720

325.3870,

2.5726, 3.2626,

355.6584, 387.2375

3.5518

384.4770,
419.3842, 456.6225

■ 0.9320, 1.2703,
1.3828

■ 0.0000, 0.1180,
0.1283

■ 70.1457, 78.6291,
85.6086

■ 70.1457, 78.6291,
85.6086

■ 63.2357, 75.1552,
81.3934

■ 78.0646, 82.6247,
89.9979

■ 57.2849, 72.1709,
77.3440

■ 86.6561, 86.9621,
94.5417

■ 52.2493, 69.6558,
73.4589

■ 87.4738, 87.2892,
98.8475

■ 48.0791, 67.5840,
69.7344

■ 88.3158, 87.6260,
103.2813

■ 44.7193, 65.9275,
66.1669

■ 88.9998, 87.8996,
106.8833

■ 42.1085, 64.6544,
62.7524

■ 40.1765, 63.7287,
59.4864

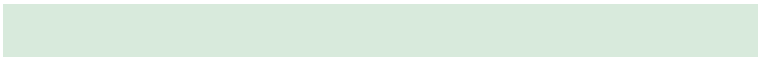
■ 38.8391, 63.1070,
56.3637

■ 38.0245, 62.7455,
53.6880

Harmonies

Analogous

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



70.7501, 78.6291, 79.0729



70.1457, 78.6291, 85.6086



70.7484, 78.6291, 92.4963

Triad

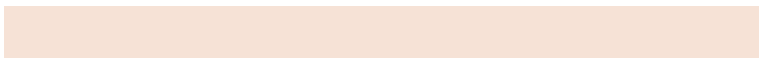
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1457, 78.6291, 85.6086



77.1007, 78.6291, 97.7732



77.1038, 78.6291, 74.5113

Complementary

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



70.1457, 78.6291, 85.6086



69.3300, 68.1715, 73.7980

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.



78.8678, 78.6291, 79.0813



70.1457, 78.6291, 85.6086



78.8659, 78.6291, 92.5057

Square

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



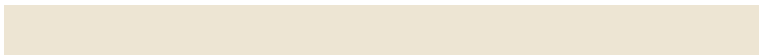
70.1457, 78.6291, 85.6086



74.7328, 78.6291, 99.7480



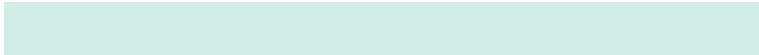
79.5194, 78.6291, 85.6188



74.7364, 78.6291, 72.8820

Rectangle

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



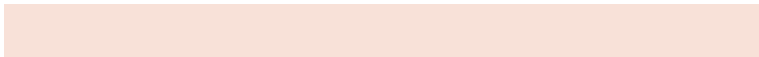
70.1457, 78.6291, 85.6086



71.7613, 78.6291, 96.3081



79.5194, 78.6291, 85.6188



77.7889, 78.6291, 75.7418

Sweetspot

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



70.1479, 78.6324, 85.6103



92.0082, 98.4646, 107.2801



69.2634, 78.4807, 71.8206



19.5237, 20.9898, 22.8704



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.



70.1479, 78.6324, 85.6103



82.6803, 93.7627, 102.0166



69.0541, 75.0799, 89.4534



15.3603, 17.0589, 18.5799



21.2126, 34.9395, 30.1481



1.7018, 2.7580, 2.5576

Inverse Universe

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



69.3300, 68.1715, 73.7980



81.5347, 79.1082, 85.4699



70.3110, 71.3456, 70.3882



15.2079, 15.1110, 16.3803



19.4821, 9.9955, 3.0742



1.5659, 0.7993, 0.4313

Previews

White Background



This preview shows how the XYZ color 70.1457, 78.6291, 85.6086 looks on a white background.

Color Contrast Check

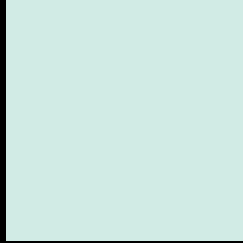
Large Text (above 18pt) WCAG AA × Fail

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 70.1457, 78.6291, 85.6086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

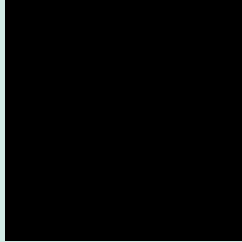
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

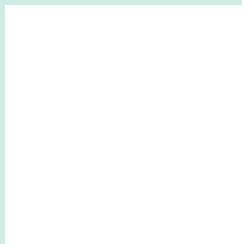
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1457, 78.6291, 85.6086

Background



This preview shows how black text looks on a background with the XYZ color 70.1457, 78.6291, 85.6086.



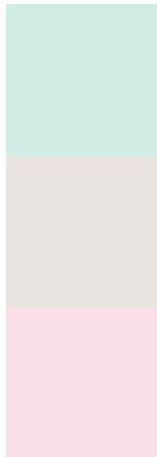
This preview shows how white text looks on a background with the XYZ color 70.1457, 78.6291,

85.6086.

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

70.1457, 78.6291, 85.6086

Protanopia

75.2657, 78.4155, 82.4029

Deuteranopia

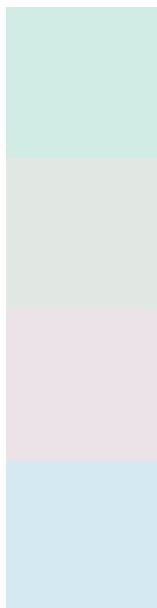
80.1111, 78.3927, 87.2529



Tritanopia

73.5525, 78.7615, 101.7683

Trichromacy



Original Color

70.1457, 78.6291, 85.6086

Protanomaly

73.3547, 78.6504, 83.2663

Deuteranomaly

76.1538, 78.3699, 86.7145

Tritanomaly

72.3173, 78.6857, 95.3807

Monochromacy



Original Color

70.1457, 78.6291, 85.6086

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 70.1457, 78.6291, 85.6086 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(209, 235, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 235, 229) }
```

Border

The CSS property to change the border of an element to XYZ 70.1457, 78.6291, 85.6086 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, 229) }
```


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

```
.border{ border-color:rgb(209, 235, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(209, 235,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1457, 78.6291, 85.6086 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, 229) }
```

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

```
.background{ background-color: rgb(209,  
235, 229) }
```

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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