

Converting Colors

XYZ(71.5576, 77.8451, 87.6353)

Have a look what the booklet for
XYZ(71.5576, 77.8451, 87.6353)
contains.

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Color

**XYZ(71.7410, 78.1384,
87.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E8E8
RGB	216, 232, 232
RGB Percent	85%, 91%, 91%
CMY	0.1529, 0.0902, 0.0902
CMYK	0.07, 0.00, 0.00, 0.09
HSL	180°, 26%, 88%
HSV	180°, 7%, 91%
XYZ	71.7410, 78.1384, 87.6450
YIQ	227.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

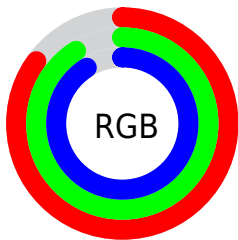
Format	Color
R _Y B	216, 224, 232
Decimal	14215400
CIE Lab	90.84, -5.28, -1.83
CIE LCh	91, 5.593, 199.134
Yxy	78.1384, 0.3020, 0.3290
Android (android.graphics.Color)	4292405480 (0xFFD8E8E8)
YUV	227.2160, 2.3585, -9.8364
Hunter-Lab	88.3959, -9.8246, 3.0908

Details

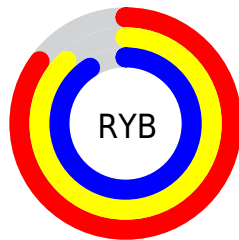
The XYZ color **71.7410, 78.1384, 87.6450** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.2321, 71.2274, 75.0160**, and the grayscale version is **73.1610, 76.9711, 83.8215**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0597, 41.7623, 47.1293** is the 20% darker color. If you saturate the color by 10%, you get **65.3647, 74.8535, 87.3442**, and if you desaturate by 10%, it is **79.0895, 81.9288, 87.9945**.

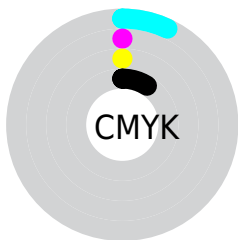
Distribution



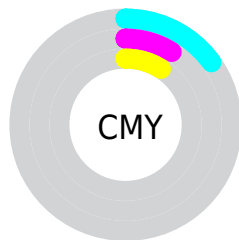
- Red (85%)
- Green (91%)
- Blue (91%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7410, 78.1384, 87.6450 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 71.7410, 78.1384, 87.6450 by changing the saturation by 10% instead.

■ 71.7410, 78.1384,
87.6450

■ 71.7410, 78.1384,
87.6450

455.8112,
488.6367, 540.7111

■ 53.2318, 58.1877,
65.4664

120.7010,
130.7452, 145.9696

■ 38.2161, 41.9595,
47.3857

151.8826,
164.1701, 182.9527

■ 26.3284, 29.0696,
32.9841

188.0190,
202.8551, 225.7078

■ 17.2035, 19.1335,
21.8433

229.4756,
247.1847, 274.6534

■ 10.4759, 11.7668,
13.5446

276.6178,
297.5433, 330.2079

■ 5.7803, 6.5851,
7.6695

329.8109,

■ 2.7513, 3.2040,

354.3152, 392.7900

3.7995

389.4203,
417.8849, 462.8183

■ 1.0237, 1.2391,
1.5160

■ 0.0000, 0.0933,
0.2298

■ 71.7410, 78.1384,
87.6450

■ 71.7410, 78.1384,
87.6450

■ 65.3647, 74.8535,
87.3442

■ 79.0895, 81.9288,
87.9945

■ 59.9137, 72.0435,
87.0851


■ 84.6654, 84.8031,
88.2594

■ 55.3469, 69.6893,
86.8674


■ 84.6661, 84.8034,
88.2635


■ 51.6177, 67.7670,
86.6889


■ 84.6669, 84.8037,
88.2675


 48.6754, 66.2503,
86.5472


 84.6677, 84.8040,
88.2715

 46.4636, 65.1101,
86.4397


 84.6684, 84.8043,
88.2755

 44.9183, 64.3136,
86.3634

 84.6692, 84.8047,
88.2796

 43.9648, 63.8221,
86.3148

 84.6699, 84.8050,
88.2836

 43.5070, 63.5862,
86.2894

 84.6707, 84.8053,
88.2876

Harmonies

Analogous

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



71.6424, 78.1384, 83.6270



71.7410, 78.1384, 87.6450



72.5118, 78.1384, 91.0756

Triad

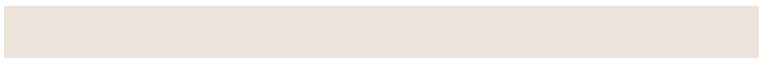
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7410, 78.1384, 87.6450



76.3334, 78.1384, 90.2513



74.7795, 78.1384, 77.6935

Complementary

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



71.7410, 78.1384, 87.6450



70.2321, 71.2274, 75.0160

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.



76.0528, 78.1384, 79.3524



71.7410, 78.1384, 87.6450



76.9574, 78.1384, 86.5486

Square

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



71.7410, 78.1384, 87.6450



75.1587, 78.1384, 92.6129



76.8541, 78.1384, 82.5644



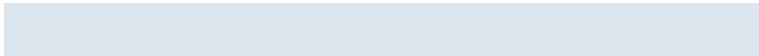
73.3848, 78.1384, 77.9660

Rectangle

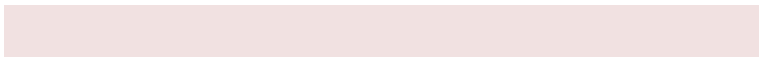
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7410, 78.1384, 87.6450



73.3086, 78.1384, 92.5282



76.8541, 78.1384, 82.5644



75.2362, 78.1384, 78.0416

Sweetspot

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



71.7432, 78.1417, 87.6467



93.1983, 99.0454, 108.8124



69.6513, 77.3140, 76.2190



19.9677, 21.2098, 23.2912



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.



71.7432, 78.1417, 87.6467



87.9383, 96.3339, 108.5632



69.6140, 73.8824, 86.9396



14.8074, 16.3364, 18.5163



24.1021, 35.2729, 47.8994



1.7811, 2.6066, 3.5398

Inverse Universe

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



70.2321, 71.2274, 75.0160



85.7723, 86.4232, 90.4588



72.2603, 75.2846, 75.6897



14.3772, 14.3681, 14.9207



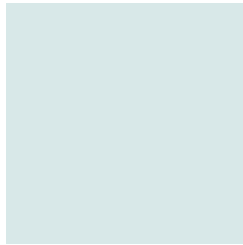
18.4753, 9.5243, 0.8658



1.3653, 0.7038, 0.0642

Previews

White Background



This preview shows how the XYZ color 71.7410, 78.1384, 87.6450 looks on a white background.

Color Contrast Check

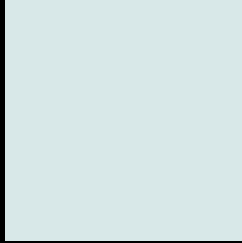
Large Text (above 18pt) WCAG AA × Fail

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 71.7410, 78.1384, 87.6450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

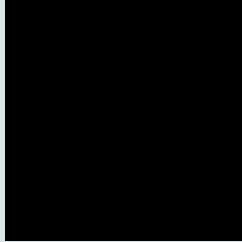
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

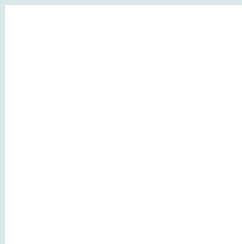
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7410, 78.1384, 87.6450

Background



This preview shows how black text looks on a background with the XYZ color 71.7410, 78.1384, 87.6450.



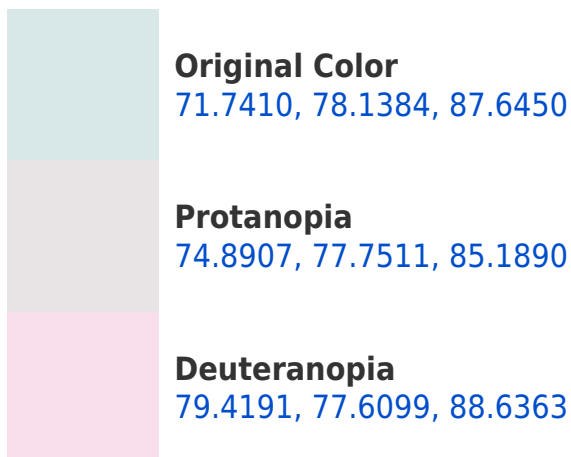
This preview shows how white text looks on a background with the XYZ color 71.7410, 78.1384,

87.6450.

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

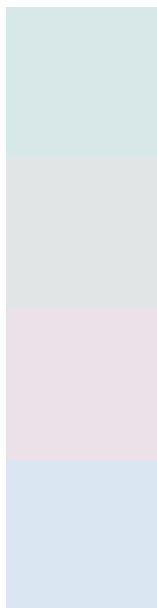




Tritanopia

74.4535, 78.4310, 100.0215

Trichromacy



Original Color

71.7410, 78.1384, 87.6450

Protanomaly

73.6663, 77.9205, 86.0205

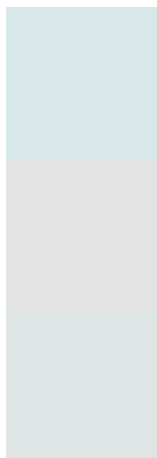
Deuteranomaly

76.2253, 77.5665, 88.0451

Tritanomaly

73.5164, 78.4681, 95.2755

Monochromacy



Original Color

71.7410, 78.1384, 87.6450

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.5936, 77.3837, 85.2392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7410, 78.1384, 87.6450 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(216, 232, 232) looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 71.7410, 78.1384, 87.6450 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(216, 232, 232) }
```


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

```
.border{ border-color:rgb(216, 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(216, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(216, 232,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7410, 78.1384, 87.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 232, 232) }
```

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

```
.background{ background-color: rgb(216,  
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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