

Converting Colors

XYZ(78.7302, 87.6872, 70.9342)

Have a look what the booklet for
XYZ(78.7302, 87.6872, 70.9342)
contains.

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Color

**XYZ(78.7180, 87.7656,
71.1841)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF5CE
RGB	237, 245, 206
RGB Percent	93%, 96%, 81%
CMY	0.0706, 0.0392, 0.1921
CMYK	0.03, 0.00, 0.16, 0.04
HSL	72°, 66%, 88%
HSV	72°, 16%, 96%
XYZ	78.7180, 87.7656, 71.1841
YIQ	238.1620, 7.7510, -13.8250

Conversions

Conversions Part 2

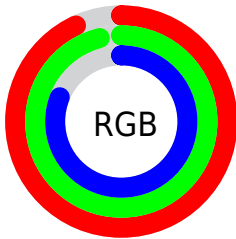
Format	Color
R _Y B	206, 245, 214
Decimal	15594958
CIE Lab	95.06, -9.17, 17.90
CIE LCh	95, 20.115, 117.110
Yxy	87.7656, 0.3312, 0.3693
Android (android.graphics.Color)	4293785038 (0xFFEDF5CE)
YUV	238.1620, -15.8559, -1.0191
Hunter-Lab	93.6833, -13.9600, 20.5275

Details

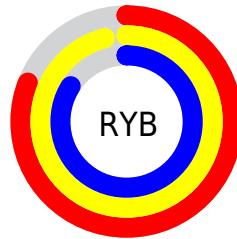
The XYZ color **78.7180, 87.7656, 71.1841** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.2878, 65.0338, 95.4501**, and the grayscale version is **81.5103, 85.7551, 93.3873**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9211, 48.4859, 36.8023** is the 20% darker color. If you saturate the color by 10%, you get **74.3159, 85.8164, 56.6336**, and if you desaturate by 10%, it is **83.6359, 89.9324, 88.1841**.

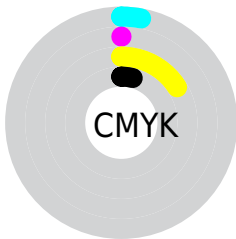
Distribution



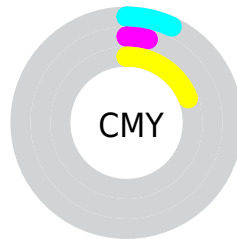
- Red (93%)
- Green (96%)
- Blue (81%)



- Red (81%)
- Yellow (96%)
- Blue (84%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7180, 87.7656, 71.1841 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 78.7180, 87.7656, 71.1841 by changing the saturation by 10% instead.

78.7180, 87.7656,
71.1841

78.7180, 87.7656,
71.1841

479.4044,
520.7353, 483.5977

58.9688, 66.1290,
52.0097

130.5218,
144.2308, 122.5927

42.8343, 48.3771,
36.6305

163.3071,
179.8281, 155.6640

29.9491, 34.1256,
24.6280

201.1686,
220.8478, 194.2047

19.9478, 22.9901,
15.5836

244.4714,
267.6742, 238.6333

12.4652, 14.5862,
9.0789

293.5811,
320.6918, 289.3684

7.1357, 8.5295,
4.6951

348.8629,

3.5942, 4.4356,

380.2849, 346.8284

2.0139

410.6822,
446.8380, 411.4320

■ 1.4752, 1.9201,
0.5638

■ 0.3089, 0.5604,
0.0000

■ 78.7180, 87.7656,
71.1841

■ 78.7180, 87.7656,
71.1841

■ 74.3159, 85.8164,
56.6336

■ 83.6359, 89.9324,
88.1841

■ 70.4008, 84.0645,
44.4142

■ 89.0824, 92.3132,
107.7308

■ 66.9515, 82.5043,
34.4059

■ 90.8805, 93.2401,
107.8150

■ 63.9425, 81.1255,
26.4759

■ 91.9442, 93.7885,
107.8647

■ 61.3453, 79.9166,
20.4772

■ 59.1280, 78.8650,
16.2435

■ 57.2533, 77.9556,
13.5807

■ 55.6752, 77.1699,
12.2480

■ 55.0876, 76.8733,
11.9346

Harmonies

Analogous

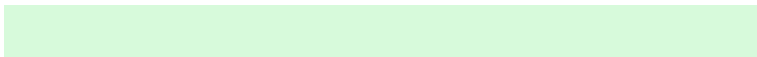
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9499, 87.7656, 68.5305



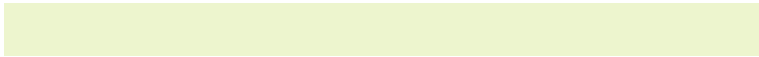
78.7180, 87.7656, 71.1841



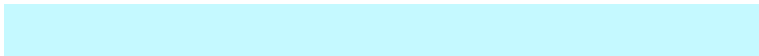
74.8967, 87.7656, 80.1238

Triad

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



78.7180, 87.7656, 71.1841



77.8378, 87.7656, 123.1456



94.3672, 87.7656, 97.0883

Complementary

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



78.7180, 87.7656, 71.1841



66.2878, 65.0338, 95.4501

Split Complementary

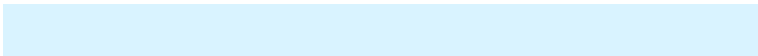
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5635, 87.7656, 112.8655



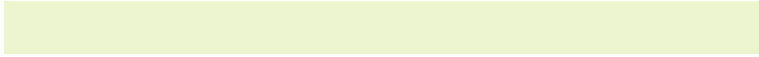
78.7180, 87.7656, 71.1841



82.8895, 87.7656, 128.9038

Square

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



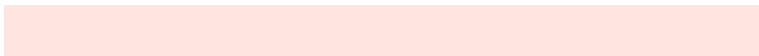
78.7180, 87.7656, 71.1841



74.4044, 87.7656, 109.9524



88.3026, 87.7656, 124.9524



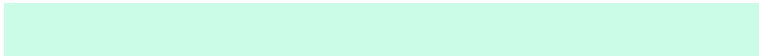
93.1329, 87.7656, 82.4851

Rectangle

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



78.7180, 87.7656, 71.1841



73.5825, 87.7656, 89.0000



88.3026, 87.7656, 124.9524



94.0943, 87.7656, 102.4385

Sweetspot

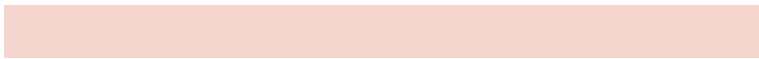
The Sweet Spot groups the original color and five complimentary colors.



78.7203, 87.7694, 71.1860



92.1084, 98.7129, 98.4003



72.7958, 71.8633, 68.4280



19.6290, 21.0909, 20.7580



0.0000, 0.0000, 0.0000



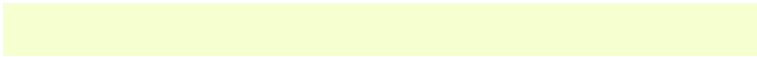
20.3446, 21.4041, 23.3091

Same Dimension

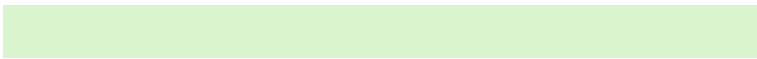
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7203, 87.7694, 71.1860



84.6432, 95.4255, 72.7012



72.6198, 84.6245, 70.9005



17.5621, 19.1318, 17.5648



29.7931, 41.4717, 6.4346



2.7005, 3.6872, 0.5694

Inverse Universe

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



66.2878, 65.0338, 95.4501



68.7191, 66.3022, 103.7835



72.2580, 68.1115, 95.7295



15.8989, 16.0905, 20.8104



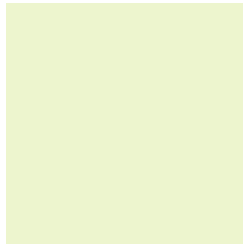
9.6858, 3.9676, 46.7933



0.9325, 0.3906, 4.1165

Previews

White Background



This preview shows how the XYZ color 78.7180, 87.7656, 71.1841 looks on a white background.

Color Contrast Check

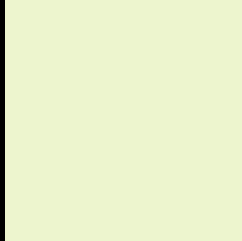
Large Text (above 18pt) WCAG AA × Fail

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 78.7180, 87.7656, 71.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

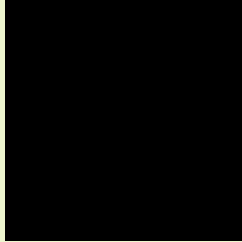
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

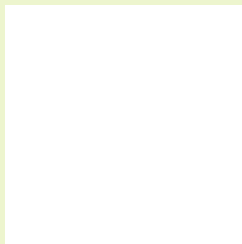
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7180, 87.7656, 71.1841

Background



This preview shows how black text looks on a background with the XYZ color 78.7180, 87.7656, 71.1841.

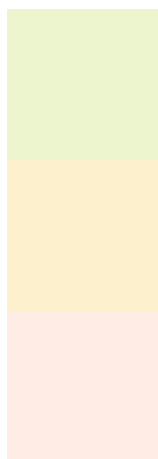


This preview shows how white text looks on a background with the XYZ color 78.7180, 87.7656, 71.1841.

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

78.7180, 87.7656, 71.1841

Protanopia

82.5672, 87.5625, 69.6762

Deuteranopia

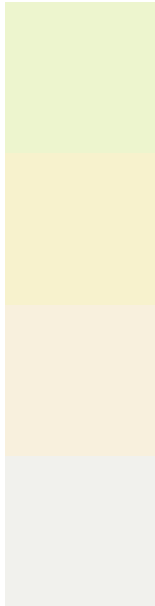
85.6670, 87.4855, 86.5000



Tritanopia

85.9328, 87.6022, 106.9875

Trichromacy



Original Color

78.7180, 87.7656, 71.1841

Protanomaly

81.1293, 87.6862, 70.4068

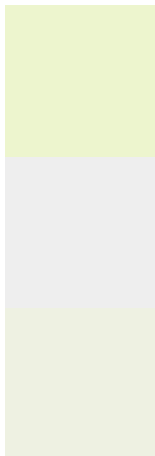
Deuteranomaly

82.9226, 87.4971, 80.9247

Tritanomaly

83.0170, 87.7258, 92.6781

Monochromacy



Original Color

78.7180, 87.7656, 71.1841

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.4427, 86.5787, 84.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7180, 87.7656, 71.1841 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(237, 245, 206) looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 206)  
}
```

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(237, 245, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 206) }
```

Border

The CSS property to change the border of an element to XYZ 78.7180, 87.7656, 71.1841 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(237, 245, 206) }
```


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

```
.border{ border-color:rgb(237, 245, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 245, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 206);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7180, 87.7656, 71.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 206) }
```

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

```
.background{ background-color: rgb(237,  
245, 206) }
```

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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