

Converting Colors

XYZ(80.7945, 87.1081, 71.7191)

Have a look what the booklet for
XYZ(80.7945, 87.1081, 71.7191)
contains.

XYZ(80.7238, 87.0084, 71.5712) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(80.7238, 87.0084,
71.5712)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F1CF
RGB	246, 241, 207
RGB Percent	96%, 95%, 81%
CMY	0.0353, 0.0549, 0.1882
CMYK	0.00, 0.02, 0.16, 0.04
HSL	52°, 68%, 89%
HSV	52°, 16%, 96%
XYZ	80.7238, 87.0084, 71.5712
YIQ	238.6190, 13.8940, -9.5140

Conversions

Conversions Part 2

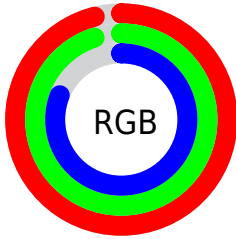
Format	Color
R _Y B	213, 246, 207
Decimal	16183759
CIE Lab	94.74, -3.83, 17.04
CIE LCh	95, 17.464, 102.671
Yxy	87.0084, 0.3373, 0.3636
Android (android.graphics.Color)	4294373839 (0xFFFF6F1CF)
YUV	238.6190, -15.5882, 6.4731
Hunter-Lab	93.2783, -8.7616, 19.8024

Details

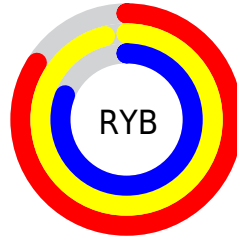
The XYZ color **80.7238, 87.0084, 71.5712** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9100, 67.0048, 96.6488**, and the grayscale version is **81.8596, 86.1227, 93.7876**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0850, 47.8166, 37.0430** is the 20% darker color. If you saturate the color by 10%, you get **77.0239, 84.0520, 56.6381**, and if you desaturate by 10%, it is **84.9132, 90.1923, 88.9813**.

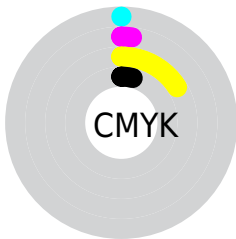
Distribution



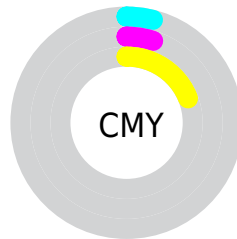
- Red (96%)
- Green (95%)
- Blue (81%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7238, 87.0084, 71.5712 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 80.7238, 87.0084, 71.5712 by changing the saturation by 10% instead.


 80.7238, 87.0084,
71.5712

 80.7238, 87.0084,
71.5712


486.0682,
518.2505, 484.9851

 60.6247, 65.5022,
52.3238


133.3281,
143.1758, 123.1487

 44.1737, 47.8684,
36.8792


166.5639,
178.6058, 156.3159

 31.0056, 33.7227,
24.8189


204.9094,
219.4459, 194.9601

 20.7550, 22.6806,
15.7244

248.7298,
266.0803, 239.4999

 13.0564, 14.3579,
9.1771

298.3905,
318.8936, 290.3537

 7.5447, 8.3700,
4.7585

354.2569,

 3.8544, 4.3326,

378.2702, 347.9401

2.0500

416.6944,
444.5943, 412.6778

■ 1.6201, 1.8613,
0.5858

■ 0.4054, 0.5250,
0.0000

■ 80.7238, 87.0084,
71.5712

■ 80.7238, 87.0084,
71.5712

■ 77.0239, 84.0520,
56.6381

■ 84.9132, 90.1923,
88.9813

■ 73.7847, 81.3026,
44.0625

■ 89.4111, 93.5226,
107.9469

■ 70.9852, 78.7546,
33.7233

■ 90.3844, 95.4691,
108.2714

■ 68.5998, 76.3977,
25.4865

■ 91.3740, 97.4483,
108.6012

■ 66.6003, 74.2205,
19.2036

■ 91.8163, 98.3330,
108.7487

■ 64.9547, 72.2099,
14.7069

■ 63.6257, 70.3511,
11.8004

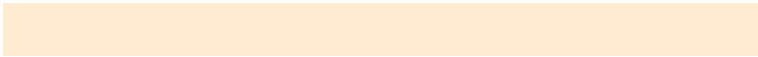
■ 62.5672, 68.6253,
10.2413

■ 62.1783, 67.9369,
9.8360

Harmonies

Analogous

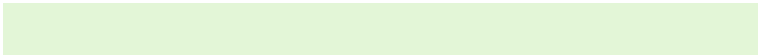
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4320, 87.0084, 72.0257



80.7238, 87.0084, 71.5712



76.6981, 87.0084, 76.8808

Triad

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



80.7238, 87.0084, 71.5712



76.2030, 87.0084, 113.4714



91.6698, 87.0084, 102.6931

Complementary

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



80.7238, 87.0084, 71.5712



65.9100, 67.0048, 96.6488

Split Complementary

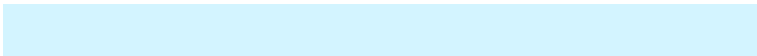
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0048, 87.0084, 115.1647



80.7238, 87.0084, 71.5712



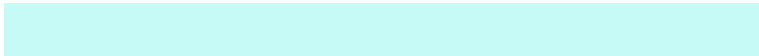
80.0246, 87.0084, 121.7823

Square

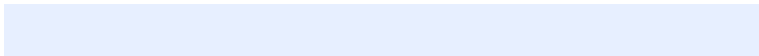
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7238, 87.0084, 71.5712



74.1555, 87.0084, 100.5546



84.7059, 87.0084, 122.4299



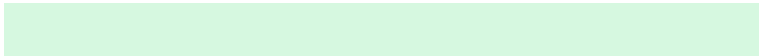
91.8744, 87.0084, 89.1489

Rectangle

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



80.7238, 87.0084, 71.5712



74.8945, 87.0084, 83.2971



84.7059, 87.0084, 122.4299



91.0275, 87.0084, 107.1799

Sweetspot

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



80.7261, 87.0123, 71.5731



92.5459, 98.1684, 98.2721



72.2287, 68.9832, 71.9291



19.7357, 20.9581, 20.7267



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.



80.7261, 87.0123, 71.5731



86.2598, 93.3676, 72.2188



77.4005, 87.5229, 71.8469



17.7230, 18.9302, 17.5173



33.2610, 36.4077, 5.2743



2.9728, 3.2989, 0.4801

Inverse Universe

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



65.9100, 67.0048, 96.6488



67.3893, 67.8861, 104.1593



68.8587, 66.7000, 96.4345



15.7522, 16.2687, 20.8525



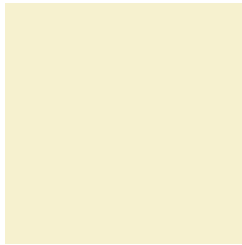
9.2022, 4.1983, 46.8634



0.8619, 0.4752, 4.1365

Previews

White Background



This preview shows how the XYZ color 80.7238, 87.0084, 71.5712 looks on a white background.

Color Contrast Check

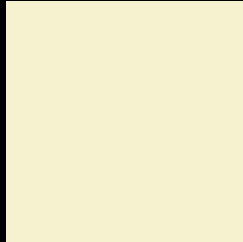
Large Text (above 18pt) WCAG AA × Fail

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 80.7238, 87.0084, 71.5712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

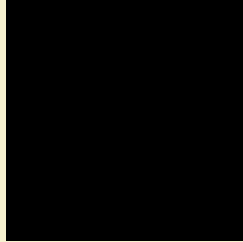
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

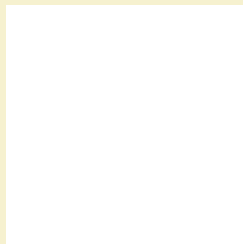
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7238, 87.0084, 71.5712

Background



This preview shows how black text looks on a background with the XYZ color 80.7238, 87.0084, 71.5712.



This preview shows how white text looks on a background with the XYZ color 80.7238, 87.0084,

71.5712.

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

80.7238, 87.0084, 71.5712

Protanopia

82.1520, 86.8847, 70.8331

Deuteranopia

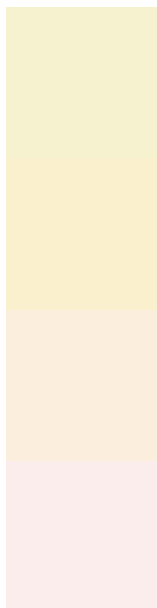
85.1006, 86.7970, 84.9413



Tritanopia

87.2973, 86.6329, 105.0493

Trichromacy



Original Color

80.7238, 87.0084, 71.5712

Protanomaly

81.7250, 87.1004, 70.8972

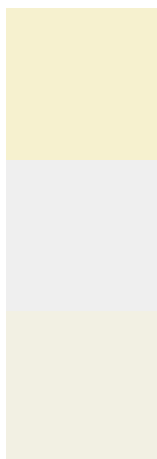
Deuteranomaly

83.6377, 87.0118, 80.0969

Tritanomaly

84.8489, 86.9485, 91.6676

Monochromacy



Original Color

80.7238, 87.0084, 71.5712

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.6432, 86.7435, 85.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7238, 87.0084, 71.5712 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(246, 241, 207) looks like.

```
.text, #text, p{  
    color:rgb(246, 241, 207)  
}
```

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(246, 241, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 241, 207) }
```

Border

The CSS property to change the border of an element to XYZ 80.7238, 87.0084, 71.5712 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(246, 241, 207) }
```


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

```
.border{ border-color:rgb(246, 241, 207) }
```

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

Here you see how a box with a 4 pixel rgb(246, 241, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 241, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 241, 207);  
box-shadow:4px 4px 4px 4px rgb(246, 241,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7238, 87.0084, 71.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 241, 207) }
```

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

```
.background{ background-color: rgb(246,  
241, 207) }
```

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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