

Converting Colors

XYZ(82.8710, 90.5227, 73.2280)

Have a look what the booklet for
XYZ(82.8710, 90.5227, 73.2280)
contains.

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Color

**XYZ(82.8222, 90.2891,
73.3840)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F6D1
RGB	247, 246, 209
RGB Percent	97%, 96%, 82%
CMY	0.0314, 0.0353, 0.1804
CMYK	0.00, 0.00, 0.15, 0.03
HSL	58°, 70%, 89%
HSV	58°, 15%, 97%
XYZ	82.8222, 90.2891, 73.3840
YIQ	242.0810, 12.4730, -11.2950

Conversions

Conversions Part 2

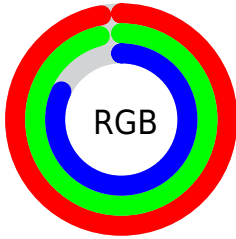
Format	Color
R _Y B	210, 247, 209
Decimal	16250577
CIE Lab	96.12, -5.69, 17.95
CIE LCh	96, 18.832, 107.581
Yxy	90.2891, 0.3360, 0.3663
Android (android.graphics.Color)	4294440657 (0xFFFF7F6D1)
YUV	242.0810, -16.3089, 4.3140
Hunter-Lab	95.0206, -10.7012, 20.7250

Details

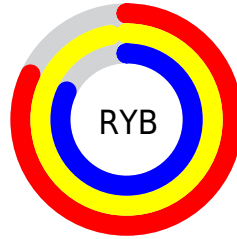
The XYZ color **82.8222, 90.2891, 73.3840** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.1296, 66.3628, 97.3204**, and the grayscale version is **84.5824, 88.9873, 96.9071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4814, 50.1072, 37.8464** is the 20% darker color. If you saturate the color by 10%, you get **79.8028, 88.7701, 58.4418**, and if you desaturate by 10%, it is **86.3213, 92.0071, 90.8273**.

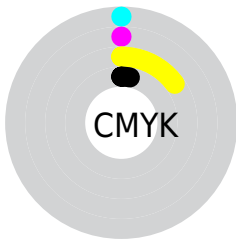
Distribution



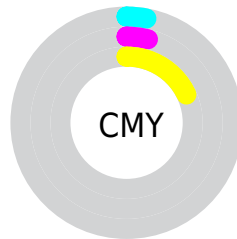
- Red (97%)
- Green (96%)
- Blue (82%)



- Red (82%)
- Yellow (97%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)



- Cyan (3%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8222, 90.2891, 73.3840 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 82.8222, 90.2891, 73.3840 by changing the saturation by 10% instead.

82.8222, 90.2891,
73.3840

82.8222, 90.2891,
73.3840

492.9867,
528.9708, 491.4510

62.3599, 68.2204,
53.7963

136.2562,
147.7399, 125.7482

45.5803, 50.0771,
38.0467

169.9587,
183.8908, 159.3617

32.1180, 35.4747,
25.7169

208.8052,
225.5047, 198.4876

21.6076, 24.0287,
16.3881

253.1612,
272.9658, 243.5443

13.6838, 15.3549,
9.6419

303.3920,
326.6585, 294.9505

7.9813, 9.0689,
5.0597

359.8629,

4.1347, 4.7861,

386.9674, 353.1247

2.2230

422.9393,
454.2767, 418.4853

■ 1.7786, 2.1223,
0.6876

■ 0.5047, 0.6771,
0.0000

■ 82.8222, 90.2891,
73.3840

■ 82.8222, 90.2891,
73.3840

■ 79.8028, 88.7701,
58.4418

■ 86.3213, 92.0071,
90.8273

■ 77.2340, 87.4295,
45.8803


■ 89.7606, 93.6992,
107.9626


■ 75.0948, 86.2618,
35.5777


■ 89.9590, 94.0961,
108.0288


■ 73.3597, 85.2567,
27.3992


■ 90.1582, 94.4944,
108.0951


 72.0003, 84.4031,
21.1958


 90.3580, 94.8941,
108.1618


 70.9846, 83.6881,
16.7990


 90.5585, 95.2951,
108.2286


 70.2753, 83.0967,
14.0126

 90.7597, 95.6975,
108.2957

 69.8264, 82.6105,
12.5941

 90.9616, 96.1013,
108.3630

 69.6754, 82.4090,
12.2342

 91.1642, 96.5065,
108.4305

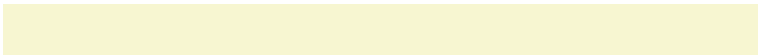
Harmonies

Analogous

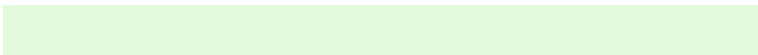
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9928, 90.2891, 72.8342



82.8222, 90.2891, 73.3840



78.6217, 90.2891, 80.1738

Triad

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



82.8222, 90.2891, 73.3840



79.2260, 90.2891, 121.0830



95.9926, 90.2891, 104.6190

Complementary

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



82.8222, 90.2891, 73.3840



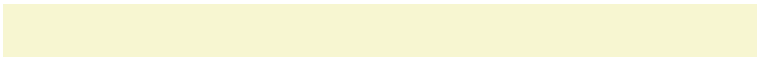
66.1296, 66.3628, 97.3204

Split Complementary

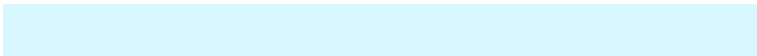
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4386, 90.2891, 118.9925



82.8222, 90.2891, 73.3840



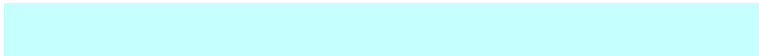
83.6775, 90.2891, 129.1242

Square

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



82.8222, 90.2891, 73.3840



76.6040, 90.2891, 107.2463



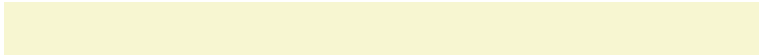
88.8833, 90.2891, 128.3226



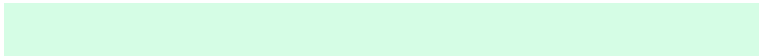
95.7408, 90.2891, 89.8835

Rectangle

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



82.8222, 90.2891, 73.3840



76.8728, 90.2891, 87.7537



88.8833, 90.2891, 128.3226



95.4295, 90.2891, 109.6796

Sweetspot

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



82.8246, 90.2931, 73.3859



92.9582, 98.9930, 98.4095



72.8255, 70.0428, 70.8297



19.8363, 21.1592, 20.7603



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.



82.8246, 90.2931, 73.3859



88.1388, 96.6239, 74.3914



77.1687, 87.8279, 73.2082



17.8753, 19.2347, 17.5681



36.8661, 43.6179, 6.4760



3.2517, 3.8567, 0.5730

Inverse Universe

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



66.1296, 66.3628, 97.3204



67.4940, 67.0323, 103.9890



71.1846, 68.6052, 97.4868



15.6159, 15.9962, 20.8071



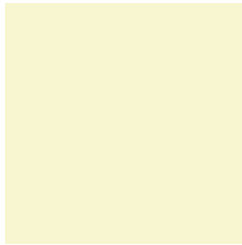
8.9318, 3.6574, 46.7732



0.7970, 0.3455, 4.1149

Previews

White Background



This preview shows how the XYZ color 82.8222, 90.2891, 73.3840 looks on a white background.

Color Contrast Check

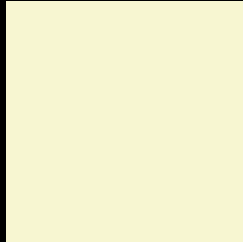
Large Text (above 18pt) WCAG AA × Fail

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 82.8222, 90.2891, 73.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

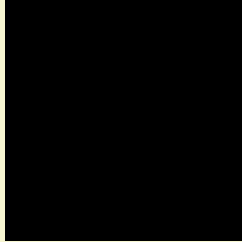
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

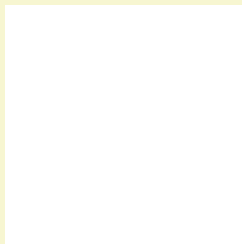
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8222, 90.2891, 73.3840

Background



This preview shows how black text looks on a background with the XYZ color 82.8222, 90.2891, 73.3840.



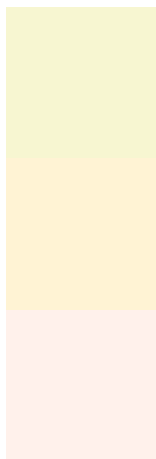
This preview shows how white text looks on a background with the XYZ color 82.8222, 90.2891,

73.3840.

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

82.8222, 90.2891, 73.3840

Protanopia

85.1743, 90.1147, 75.1921

Deuteranopia

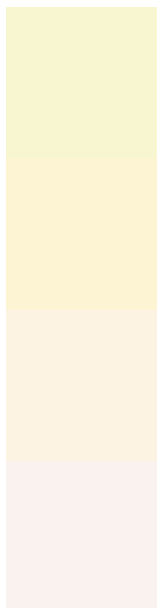
87.6907, 90.1688, 91.3798



Tritanopia

89.3550, 90.2356, 107.3154

Trichromacy



Original Color

82.8222, 90.2891, 73.3840

Protanomaly

84.2534, 90.1000, 74.5784

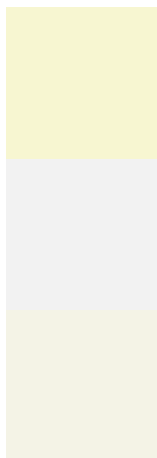
Deuteranomaly

85.9229, 90.2876, 84.8501

Tritanomaly

86.6091, 90.0013, 93.6961

Monochromacy



Original Color

82.8222, 90.2891, 73.3840

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.6417, 89.0475, 87.6424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8222, 90.2891, 73.3840 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(247, 246, 209) looks like.

```
.text, #text, p{  
    color:rgb(247, 246, 209)  
}
```

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(247, 246, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 246, 209) }
```

Border

The CSS property to change the border of an element to XYZ 82.8222, 90.2891, 73.3840 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(247, 246, 209) }
```


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

```
.border{ border-color:rgb(247, 246, 209) }
```

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

Here you see how a box with a 4 pixel rgb(247, 246, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 246, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 246, 209);  
box-shadow:4px 4px 4px 4px rgb(247, 246,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8222, 90.2891, 73.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 246, 209) }
```

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

```
.background{ background-color: rgb(247,  
246, 209) }
```

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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