

Converting Colors

XYZ(82.2175, 90.5310, 73.2740)

Have a look what the booklet for
XYZ(82.2175, 90.5310, 73.2740)
contains.

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Color

**XYZ(82.0776, 90.3581,
73.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F7D1
RGB	244, 247, 209
RGB Percent	96%, 97%, 82%
CMY	0.0431, 0.0313, 0.1804
CMYK	0.01, 0.00, 0.15, 0.03
HSL	65°, 70%, 89%
HSV	65°, 15%, 97%
XYZ	82.0776, 90.3581, 73.4365
YIQ	241.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

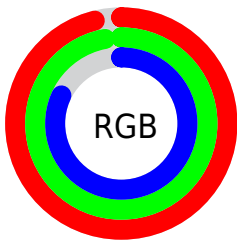
Format	Color
R_{YB}	209, 247, 212
Decimal	16054225
CIE Lab	96.15, -7.25, 17.96
CIE LCh	96, 19.367, 111.974
Yxy	90.3581, 0.3338, 0.3675
Android (android.graphics.Color)	4294244305 (0xFFFF4F7D1)
YUV	241.7710, -16.1561, 1.9548
Hunter-Lab	95.0569, -12.2223, 20.7351

Details

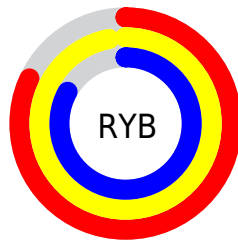
The XYZ color **82.0776, 90.3581, 73.4365** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.7439, 66.3158, 97.2831**, and the grayscale version is **84.3370, 88.7291, 96.6260**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2026, 50.2861, 37.8956** is the 20% darker color. If you saturate the color by 10%, you get **78.5802, 88.8843, 58.5280**, and if you desaturate by 10%, it is **86.0612, 92.0333, 90.8464**.

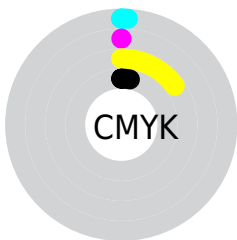
Distribution



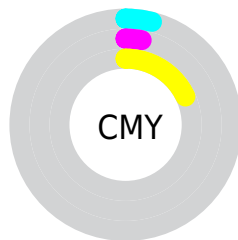
- Red (96%)
- Green (97%)
- Blue (82%)



- Red (82%)
- Yellow (97%)
- Blue (83%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0776, 90.3581, 73.4365 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 82.0776, 90.3581, 73.4365 by changing the saturation by 10% instead.

82.0776, 90.3581,
73.4365

82.0776, 90.3581,
73.4365

490.5378,
529.1950, 491.6375

61.7438, 68.2777,
53.8390

135.2181,
147.8357, 125.8233

45.0806, 50.1237,
38.0806

168.7555,
184.0017, 159.4497

31.7224, 35.5117,
25.7430

207.4248,
225.6317, 198.5895

21.3041, 24.0573,
16.4074

251.5914,
273.1100, 243.6611

13.4602, 15.3761,
9.6554

301.6207,
326.8211, 295.0832

7.8254, 9.0838,
5.0685

357.8779,

4.0343, 4.7959,

387.1494, 353.2743

2.2281

420.7285,
454.4793, 418.6529

■ 1.7215, 2.1280,
0.6905

■ 0.4697, 0.6803,
0.0000

■ 82.0776, 90.3581,
73.4365

■ 82.0776, 90.3581,
73.4365

■ 78.5802, 88.8843,
58.5280

■ 86.0612, 92.0333,
90.8464

■ 75.5401, 87.5911,
46.0003

■ 89.9912, 93.6848,
107.9477

■ 72.9360, 86.4733,
35.7317

■ 90.6871, 94.0436,
107.9802

■ 70.7423, 85.5204,
27.5874

■ 91.3902, 94.4061,
108.0131

■ 68.9308, 84.7212,
21.4184

■ 92.1006, 94.7723,
108.0464

■ 67.4694, 84.0629,
17.0562

■ 92.5526, 95.0053,
108.0675

■ 66.3209, 83.5305,
14.3044

■ 65.4391, 83.1056,
12.9208

■ 65.0905, 82.9332,
12.5771

Harmonies

Analogous

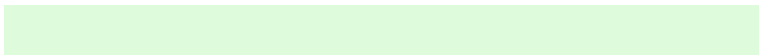
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3320, 90.3581, 71.9181



82.0776, 90.3581, 73.4365



78.0050, 90.3581, 81.2736

Triad

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



82.0776, 90.3581, 73.4365



79.6794, 90.3581, 123.5587



96.5152, 90.3581, 102.5702

Complementary

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



82.0776, 90.3581, 73.4365



66.7439, 66.3158, 97.2831

Split Complementary

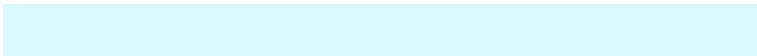
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2736, 90.3581, 117.7430



82.0776, 90.3581, 73.4365



84.4495, 90.3581, 130.6581

Square

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



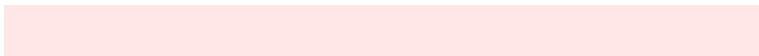
82.0776, 90.3581, 73.4365



76.6611, 90.3581, 109.8668



89.8035, 90.3581, 128.4258



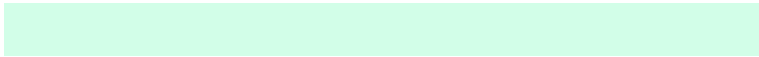
95.8156, 90.3581, 87.7316

Rectangle

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



82.0776, 90.3581, 73.4365



76.4358, 90.3581, 89.5170



89.8035, 90.3581, 128.4258



96.0775, 90.3581, 107.8193

Sweetspot

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



82.0800, 90.3621, 73.4384



92.6946, 99.0151, 98.4277



73.2964, 71.2339, 70.2093



19.7719, 21.1646, 20.7647



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.



82.0800, 90.3621, 73.4384



87.1982, 96.7065, 74.4569



75.9697, 87.2121, 73.1525



17.7778, 19.2430, 17.5748



34.4787, 43.8872, 6.6539



3.0680, 3.8767, 0.5866

Inverse Universe

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



66.7439, 66.3158, 97.2831



68.2373, 66.9758, 103.9389



72.3964, 69.2298, 97.5477



15.7026, 15.9893, 20.8012



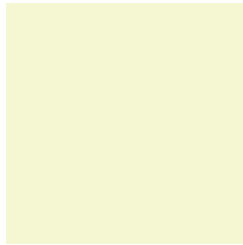
9.0714, 3.6508, 46.7646



0.8384, 0.3421, 4.1121

Previews

White Background



This preview shows how the XYZ color 82.0776, 90.3581, 73.4365 looks on a white background.

Color Contrast Check

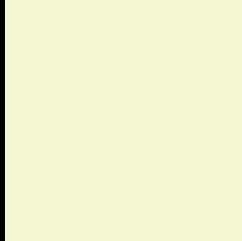
Large Text (above 18pt) WCAG AA × Fail

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 82.0776, 90.3581, 73.4365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

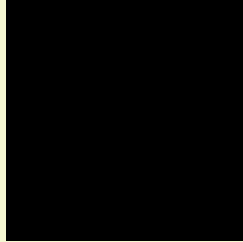
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

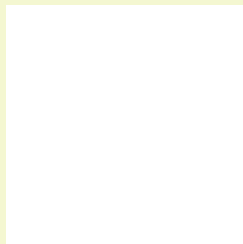
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0776, 90.3581, 73.4365

Background



This preview shows how black text looks on a background with the XYZ color 82.0776, 90.3581, 73.4365.



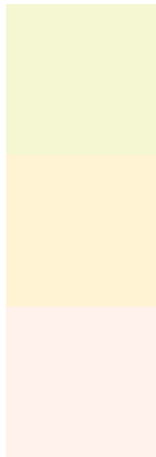
This preview shows how white text looks on a background with the XYZ color 82.0776, 90.3581,

73.4365.

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

82.0776, 90.3581, 73.4365

Protanopia

85.1743, 90.1147, 75.1921

Deuteranopia

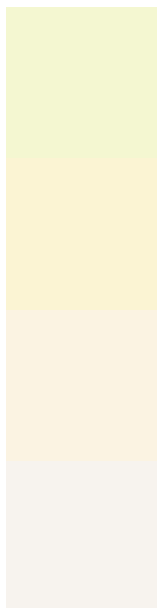
87.6907, 90.1688, 91.3798



Tritanopia

88.5722, 90.2703, 107.3634

Trichromacy



Original Color

82.0776, 90.3581, 73.4365

Protanomaly

83.8922, 89.9137, 74.5615

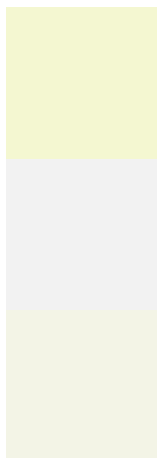
Deuteranomaly

85.5617, 90.1014, 84.8332

Tritanomaly

85.8410, 90.0484, 93.7457

Monochromacy



Original Color

82.0776, 90.3581, 73.4365

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.5958, 89.4692, 87.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0776, 90.3581, 73.4365 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(244, 247, 209)` looks like.

```
.text, #text, p{  
    color:rgb(244, 247, 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(244, 247, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 247, 209) }
```

Border

The CSS property to change the border of an element to XYZ 82.0776, 90.3581, 73.4365 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(244, 247, 209) }
```


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

```
.border{ border-color:rgb(244, 247, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 247, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 247, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 247, 209);  
box-shadow:4px 4px 4px 4px rgb(244, 247,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0776, 90.3581, 73.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 247, 209) }
```

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

```
.background{ background-color: rgb(244,  
247, 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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