

Converting Colors

XYZ(82.2943, 90.0680, 71.6041)

Have a look what the booklet for
XYZ(82.2943, 90.0680, 71.6041)
contains.

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Color

**XYZ(82.1024, 89.9606,
71.4294)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F6CE
RGB	246, 246, 206
RGB Percent	96%, 96%, 81%
CMY	0.0353, 0.0353, 0.1921
CMYK	0.00, 0.00, 0.16, 0.04
HSL	60°, 69%, 89%
HSV	60°, 16%, 96%
XYZ	82.1024, 89.9606, 71.4294
YIQ	241.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

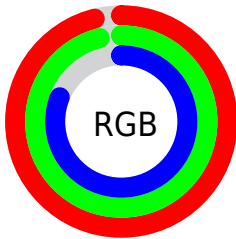
Format	Color
R_{YB}	206, 246, 206
Decimal	16185038
CIE _{Lab}	95.98, -6.49, 19.29
CIE _{LCh}	96, 20.351, 108.594
Yxy	89.9606, 0.3372, 0.3695
Android (android.graphics.Color)	4294375118 (0xFFFF6F6CE)
YUV	241.4400, -17.4719, 3.9991
Hunter-Lab	94.8476, -11.4692, 21.7422

Details

The XYZ color **82.1024, 89.9606, 71.4294** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.1629, 63.9206, 96.1499**, and the grayscale version is **84.0842, 88.4631, 96.3364**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0672, 49.9127, 36.9646** is the 20% darker color. If you saturate the color by 10%, you get **79.3446, 88.8604, 56.9022**, and if you desaturate by 10%, it is **85.3328, 91.2559, 88.4240**.

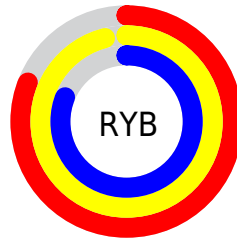
Distribution



Red (96%)

Green (96%)

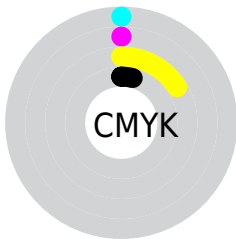
Blue (81%)



Red (81%)

Yellow (96%)

Blue (81%)

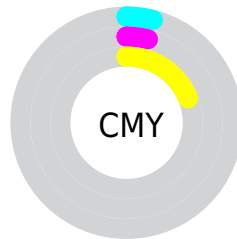


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.1024, 89.9606, 71.4294 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 82.1024, 89.9606, 71.4294 by changing the saturation by 10% instead.


 82.1024, 89.9606,
71.4294

 82.1024, 89.9606,
71.4294


490.6195,
527.9027, 484.4772

 61.7643, 67.9480,
52.2087


135.2527,
147.2837, 122.9451

 45.0972, 49.8554,
36.7881


168.7956,
183.3629, 156.0772

 31.7356, 35.2985,
24.7489


207.4708,
224.8998, 194.6835

 21.3142, 23.8929,
15.6728

251.6438,
272.2787, 239.1826

 13.4676, 15.2542,
9.1411

301.6797,
325.8840, 289.9929

 7.8305, 8.9980,
4.7352

357.9441,

 4.0376, 4.7399,

386.1002, 347.5331

2.0368

420.8022,
453.3116, 412.2217

■ 1.7234, 2.0955,
0.5777

■ 0.4709, 0.6621,
0.0000

■ 82.1024, 89.9606,
71.4294

■ 82.1024, 89.9606,
71.4294

■ 79.3446, 88.8604,
56.9022

■ 85.3328, 91.2559,
88.4240

■ 77.0305, 87.9346,
44.7223

■ 89.0162, 92.7294,
107.8147


■ 75.1391, 87.1779,
34.7685


■ 89.0174, 92.7300,
107.8147


■ 73.6449, 86.5801,
26.9060


■ 89.0185, 92.7306,
107.8148


 72.5196, 86.1298,
20.9859


 89.0197, 92.7312,
107.8148


 71.7310, 85.8143,
16.8395


 89.0208, 92.7318,
107.8149


 71.2418, 85.6185,
14.2693

 89.0219, 92.7324,
107.8149

 71.0052, 85.5237,
13.0295

 89.0231, 92.7329,
107.8150

 70.9544, 85.5033,
12.7641

 89.0242, 92.7335,
107.8150

Harmonies

Analogous

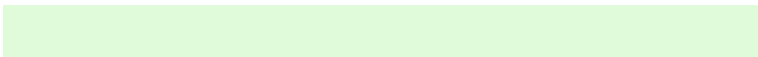
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6616, 89.9606, 70.6182



82.1024, 89.9606, 71.4294



77.6467, 89.9606, 78.8606

Triad

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



82.1024, 89.9606, 71.4294



78.5493, 89.9606, 123.0691



96.5509, 89.9606, 104.2059

Complementary

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



82.1024, 89.9606, 71.4294



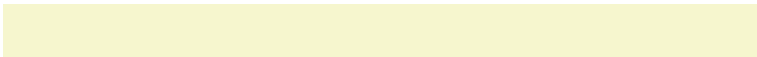
64.1629, 63.9206, 96.1499

Split Complementary

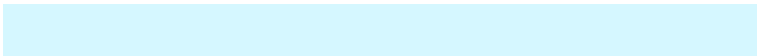
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8761, 89.9606, 119.8995



82.1024, 89.9606, 71.4294



83.3838, 89.9606, 131.5599

Square

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



82.1024, 89.9606, 71.4294



75.6582, 89.9606, 108.1640



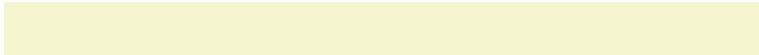
89.0000, 89.9606, 130.3402



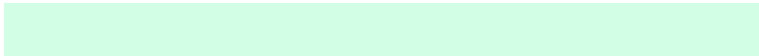
96.1708, 89.9606, 88.4035

Rectangle

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



82.1024, 89.9606, 71.4294



75.8256, 89.9606, 87.0762



89.0000, 89.9606, 130.3402



95.9746, 89.9606, 109.6972

Sweetspot

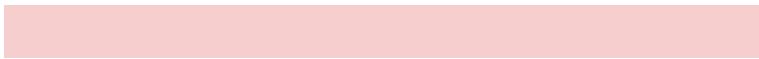
The Sweet Spot groups the original color and five complimentary colors.



82.1048, 89.9646, 71.4313



93.0640, 99.2055, 98.4450



71.2208, 68.1939, 67.8028



19.8621, 21.2111, 20.7689



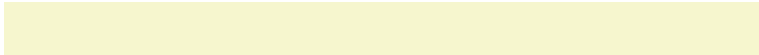
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

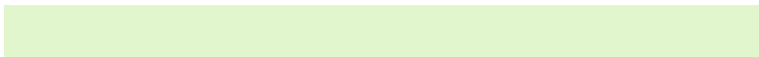
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1048, 89.9646, 71.4313



87.8966, 97.1384, 71.2437



75.4638, 86.5410, 71.1205



17.9145, 19.3135, 17.5812



37.8707, 45.6359, 6.8126



3.3285, 4.0110, 0.5988

Inverse Universe

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



64.1629, 63.9206, 96.1499



64.5466, 63.2441, 103.4131



70.0726, 66.9672, 96.4264



15.5814, 15.9269, 20.7955



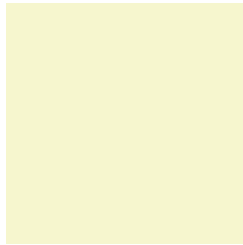
8.8792, 3.5517, 46.7556



0.7805, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 82.1024, 89.9606, 71.4294 looks on a white background.

Color Contrast Check

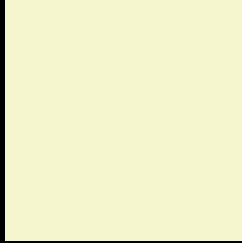
Large Text (above 18pt) WCAG AA × Fail

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 82.1024, 89.9606, 71.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

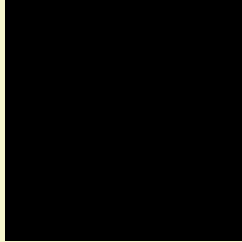
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1024, 89.9606, 71.4294

Background



This preview shows how black text looks on a background with the XYZ color 82.1024, 89.9606, 71.4294.



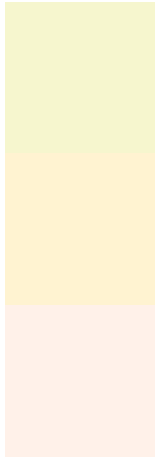
This preview shows how white text looks on a background with the XYZ color 82.1024, 89.9606,

71.4294.

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

82.1024, 89.9606, 71.4294

Protanopia

84.7992, 89.9646, 73.2171

Deuteranopia

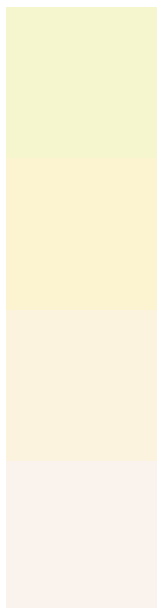
87.4033, 90.0538, 89.8663



Tritanopia

88.9937, 90.0494, 107.2985

Trichromacy



Original Color

82.1024, 89.9606, 71.4294

Protanomaly

83.8807, 89.9509, 72.6158

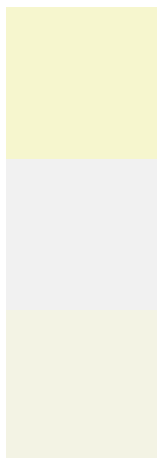
Deuteranomaly

85.5148, 90.1243, 82.7007

Tritanomaly

86.1051, 89.7584, 92.9076

Monochromacy



Original Color

82.1024, 89.9606, 71.4294

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.0163, 88.7573, 86.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1024, 89.9606, 71.4294 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, 246, 206) looks like.

```
.text, #text, p{  
    color:rgb(246, 246, 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(246, 246, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 246, 206) }
```

Border

The CSS property to change the border of an element to XYZ 82.1024, 89.9606, 71.4294 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, 246, 206) }
```


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

```
.border{ border-color:rgb(246, 246, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 246, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 246, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 246, 206);  
box-shadow:4px 4px 4px 4px rgb(246, 246,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1024, 89.9606, 71.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 246, 206) }
```

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

```
.background{ background-color: rgb(246,  
246, 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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