

Converting Colors

XYZ(84.5459, 90.0830, 71.2062)

Have a look what the booklet for
XYZ(84.5459, 90.0830, 71.2062)
contains.

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Color

**XYZ(84.4312, 89.8174,
71.2790)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3CE
RGB	255, 243, 206
RGB Percent	100%, 95%, 81%
CMY	0.0000, 0.0470, 0.1921
CMYK	0.00, 0.05, 0.19, 0.00
HSL	45°, 100%, 90%
HSV	45°, 19%, 100%
XYZ	84.4312, 89.8174, 71.2790
YIQ	242.3700, 19.0290, -8.9630

Conversions

Conversions Part 2

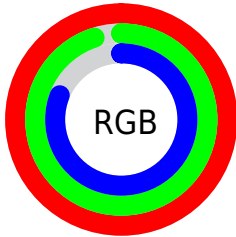
Format	Color
R _Y B	222, 255, 206
Decimal	16774094
CIE Lab	95.92, -1.77, 19.31
CIE LCh	96, 19.389, 95.245
Yxy	89.8174, 0.3439, 0.3658
Android (android.graphics.Color)	4294964174 (0xFFFFF3CE)
YUV	242.3700, -17.9304, 11.0765
Hunter-Lab	94.7720, -6.8277, 21.7478

Details

The XYZ color **84.4312, 89.8174, 71.2790** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.5744, 70.4827, 104.5980**, and the grayscale version is **84.8201, 89.2374, 97.1795**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7265, 49.8134, 36.8580** is the 20% darker color. If you saturate the color by 10%, you get **79.7455, 85.0078, 55.6537**, and if you desaturate by 10%, it is **89.6873, 94.9628, 89.5762**.

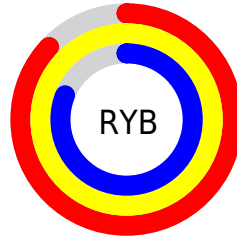
Distribution



Red (100%)

Green (95%)

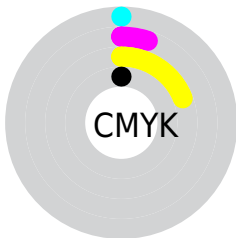
Blue (81%)



Red (87%)

Yellow (100%)

Blue (81%)

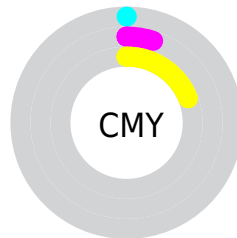


Cyan (0%)

Magenta (5%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4312, 89.8174, 71.2790 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 84.4312, 89.8174, 71.2790 by changing the saturation by 10% instead.


 84.4312, 89.8174,
71.2790

 84.4312, 89.8174,
71.2790


498.2561,
527.4367, 483.9381

 63.6924, 67.8292,
52.0867


138.4963,
147.0847, 122.7291

 46.6623, 49.7588,
36.6915


172.5534,
183.1327, 155.8239

 32.9756, 35.2218,
24.6748


211.7806,
224.6359, 194.3900

 22.2669, 23.8338,
15.6181

256.5433,
271.9790, 238.8459

 14.1709, 15.2104,
9.1029

307.2068,
325.5462, 289.6101

 8.3221, 8.9672,
4.7106

364.1366,

 4.3553, 4.7198,

385.7219, 347.1011

2.0228

427.6979,
452.8906, 411.7376

■ 1.9050, 2.0838,
0.5692

■ 0.5798, 0.6555,
0.0000

■ 84.4312, 89.8174,
71.2790

■ 84.4312, 89.8174,
71.2790

■ 79.7455, 85.0078,
55.6537

■ 89.6873, 94.9628,
89.5762

■ 75.5990, 80.5115,
42.5670

95.0500, 100.0000,
108.9000

■ 71.9670, 76.3206,
31.8825

■ 68.8202, 72.4224,
23.4489

■ 66.1259, 68.8027,
17.0975

■ 63.8469, 65.4457,
12.6356

■ 61.9392, 62.3325,
9.8344

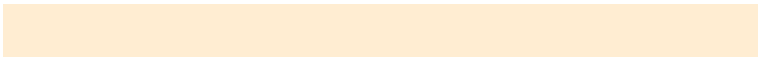
■ 60.3367, 59.4358,
8.3497

■ 60.2175, 59.2150,
8.2558

Harmonies

Analogous

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



89.7519, 89.8174, 73.3936



84.4312, 89.8174, 71.2790



79.5653, 89.8174, 75.6417

Triad

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



84.4312, 89.8174, 71.2790



77.2351, 89.8174, 115.8134



95.0616, 89.8174, 110.6668

Complementary

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



84.4312, 89.8174, 71.2790



68.5744, 70.4827, 104.5980

Split Complementary

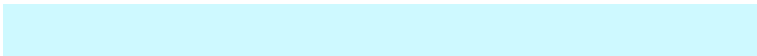
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4477, 89.8174, 123.9014



84.4312, 89.8174, 71.2790



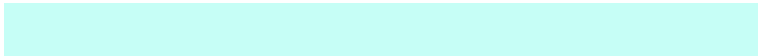
81.1306, 89.8174, 127.0837

Square

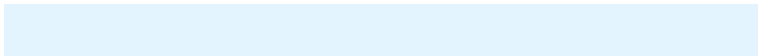
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



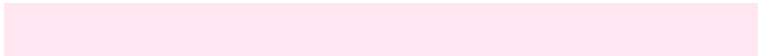
84.4312, 89.8174, 71.2790



75.5232, 89.8174, 100.5157



86.3132, 89.8174, 130.1875



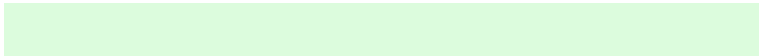
96.0348, 89.8174, 95.1256

Rectangle

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



84.4312, 89.8174, 71.2790



77.1878, 89.8174, 81.9347



86.3132, 89.8174, 130.1875



94.1082, 89.8174, 115.5823

Sweetspot

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



84.4333, 89.8213, 71.2809



91.5005, 96.6872, 96.0445



75.9996, 70.4787, 76.1005



19.5050, 20.6194, 20.2712



0.0000, 0.0000, 0.0000



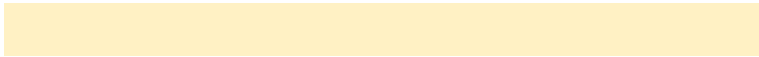
20.3446, 21.4041, 23.3091

Same Dimension

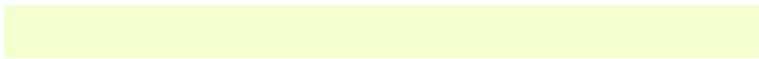
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4333, 89.8213, 71.2809



82.5936, 87.9613, 65.0587



83.7769, 94.9866, 72.3125



19.1624, 20.2931, 19.0513



31.5882, 31.1876, 4.3549



3.1610, 3.2074, 0.4525

Inverse Universe

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



68.5744, 70.4827, 104.5980



64.1275, 65.4455, 103.8601



69.1105, 66.3078, 103.7639



17.3641, 18.0998, 22.8284



10.4406, 5.7908, 50.0020



1.0978, 0.7263, 4.8956

Previews

White Background



This preview shows how the XYZ color 84.4312, 89.8174, 71.2790 looks on a white background.

Color Contrast Check

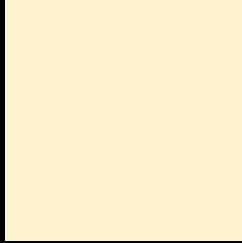
Large Text (above 18pt) WCAG AA × Fail

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 84.4312, 89.8174, 71.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

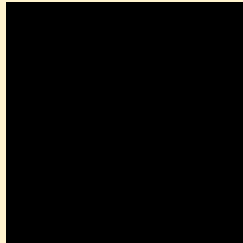
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.4312, 89.8174, 71.2790

Background



This preview shows how black text looks on a background with the XYZ color 84.4312, 89.8174, 71.2790.



This preview shows how white text looks on a background with the XYZ color 84.4312, 89.8174,

71.2790.

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

84.4312, 89.8174, 71.2790

Protanopia

84.7992, 89.9646, 73.2171

Deuteranopia

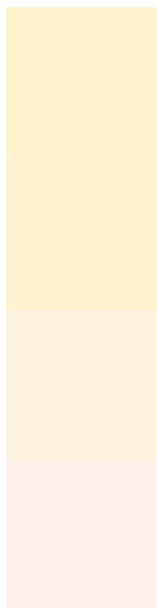
87.4033, 90.0538, 89.8663



Tritanopia

89.5191, 89.9580, 103.9123

Trichromacy



Original Color

84.4312, 89.8174, 71.2790

Protanomaly

84.6758, 89.9153, 72.5670

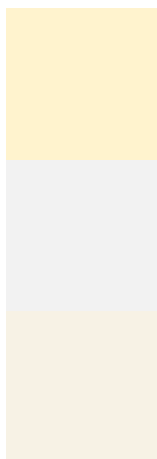
Deuteranomaly

86.3114, 90.0920, 82.6524

Tritanomaly

87.3955, 89.5783, 91.2814

Monochromacy



Original Color

84.4312, 89.8174, 71.2790

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.2528, 88.9356, 86.8544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4312, 89.8174, 71.2790 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(255, 243, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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(255, 243, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 206) }
```

Border

The CSS property to change the border of an element to XYZ 84.4312, 89.8174, 71.2790 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(255, 243, 206) }
```


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

```
.border{ border-color:rgb(255, 243, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4312, 89.8174, 71.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 206) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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