

Converting Colors

XYZ(84.7781, 89.8775, 73.3486)

Have a look what the booklet for
XYZ(84.7781, 89.8775, 73.3486)
contains.

XYZ(84.7992, 89.9646, 73.2171) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(84.7992, 89.9646,
73.2171)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3D1
RGB	255, 243, 209
RGB Percent	100%, 95%, 82%
CMY	0.0000, 0.0470, 0.1804
CMYK	0.00, 0.05, 0.18, 0.00
HSL	44°, 100%, 91%
HSV	44°, 18%, 100%
XYZ	84.7992, 89.9646, 73.2171
YIQ	242.7120, 18.0660, -8.0300

Conversions

Conversions Part 2

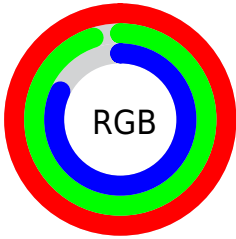
Format	Color
R_{YB}	225, 255, 209
Decimal	16774097
CIE Lab	95.98, -1.34, 17.85
CIE LCh	96, 17.904, 94.288
Yxy	89.9646, 0.3420, 0.3628
Android (android.graphics.Color)	4294964177 (0xFFFFF3D1)
YUV	242.7120, -16.6200, 10.7766
Hunter-Lab	94.8497, -6.4012, 20.6272

Details

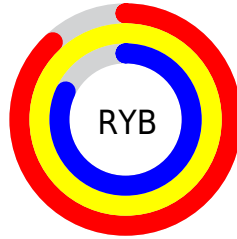
The XYZ color **84.7992, 89.9646, 73.2171** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.2004, 72.4862, 104.8990**, and the grayscale version is **85.0822, 89.5131, 97.4797**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8918, 49.8795, 37.7281** is the 20% darker color. If you saturate the color by 10%, you get **79.9380, 84.8967, 57.2477**, and if you desaturate by 10%, it is **90.2421, 95.3865, 91.8757**.

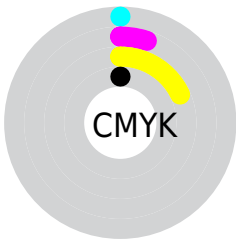
Distribution



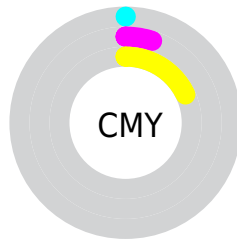
- Red (100%)
- Green (95%)
- Blue (82%)



- Red (88%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7992, 89.9646, 73.2171 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 84.7992, 89.9646, 73.2171 by changing the saturation by 10% instead.


 84.7992, 89.9646,
73.2171

 84.7992, 89.9646,
73.2171


499.4571,
527.9157, 490.8578

 63.9974, 67.9513,
53.6606


139.0081,
147.2892, 125.5091

 46.9103, 49.8581,
37.9391


173.1459,
183.3693, 159.0818

 33.1724, 35.3007,
25.6339


212.4597,
224.9071, 198.1635

 22.4184, 23.8946,
16.3267

257.3150,
272.2870, 243.1729

 14.2830, 15.2554,
9.5988

308.0770,
325.8935, 294.5285

 8.4008, 8.9989,
5.0316

365.1111,

 4.4064, 4.7404,

386.1108, 352.6488

2.2068

428.7827,
453.3234, 417.9524

■ 1.9345, 2.0958,
0.6783

■ 0.5968, 0.6623,
0.0000

■ 84.7992, 89.9646,
73.2171

■ 84.7992, 89.9646,
73.2171

■ 79.9380, 84.8967,
57.2477

■ 90.2421, 95.3865,
91.8757

■ 75.6274, 80.1601,
43.8351

95.0500, 100.0000,
108.9000

■ 71.8428, 75.7468,
32.8444

■ 68.5551, 71.6438,
24.1258

■ 65.7318, 67.8370,
17.5131

■ 63.3363, 64.3105,
12.8166

■ 61.3254, 61.0455,
9.8129

■ 59.6407, 58.0175,
8.1987

■ 59.3324, 57.4448,
7.9608

Harmonies

Analogous

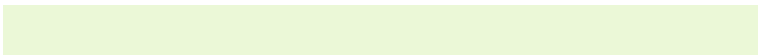
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7036, 89.9646, 75.3979



84.7992, 89.9646, 73.2171



80.2595, 89.9646, 77.1221

Triad

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



84.7992, 89.9646, 73.2171



77.8855, 89.9646, 114.1238



94.3714, 89.9646, 110.2609

Complementary

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



84.7992, 89.9646, 73.2171



70.2004, 72.4862, 104.8990

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.



90.9818, 89.9646, 122.2403



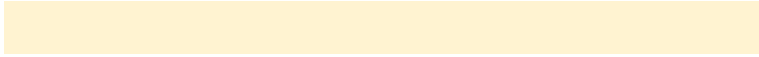
84.7992, 89.9646, 73.2171



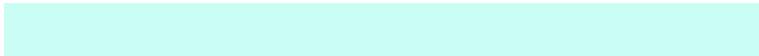
81.4466, 89.9646, 124.6171

Square

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



84.7992, 89.9646, 73.2171



76.3668, 89.9646, 100.0078



86.2221, 89.9646, 127.7209



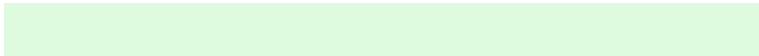
95.3525, 89.9646, 95.9328

Rectangle

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



84.7992, 89.9646, 73.2171



78.0131, 89.9646, 82.8950



86.2221, 89.9646, 127.7209



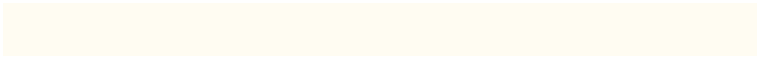
93.4696, 89.9646, 114.7393

Sweetspot

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



84.8013, 89.9685, 73.2190



92.0132, 97.1030, 98.0945



77.1278, 72.0966, 78.4450



19.6059, 20.6984, 20.6835



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

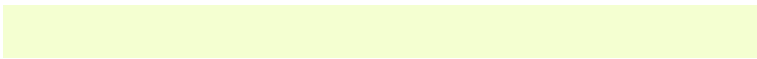
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8013, 89.9685, 73.2190



82.8070, 87.9184, 66.5775



84.6699, 95.4045, 74.2752



19.1369, 20.2419, 19.0428



31.1302, 30.2716, 4.2023



3.1198, 3.1249, 0.4387

Inverse Universe

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



70.2004, 72.4862, 104.8990



65.5039, 67.2029, 104.1268



70.2859, 67.9962, 104.0278



17.3880, 18.1477, 22.8364



10.5665, 6.0425, 50.0440



1.1130, 0.7566, 4.9007

Previews

White Background



This preview shows how the XYZ color 84.7992, 89.9646, 73.2171 looks on a white background.

Color Contrast Check

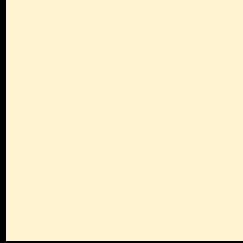
Large Text (above 18pt) WCAG AA × Fail

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 84.7992, 89.9646, 73.2171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

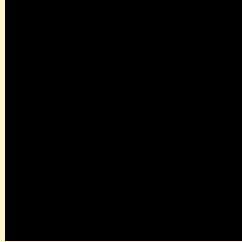
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.7992, 89.9646, 73.2171

Background



This preview shows how black text looks on a background with the XYZ color 84.7992, 89.9646, 73.2171.



This preview shows how white text looks on a background with the XYZ color 84.7992, 89.9646,

73.2171.

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

84.7992, 89.9646, 73.2171

Protanopia

85.0485, 90.0643, 74.5296

Deuteranopia

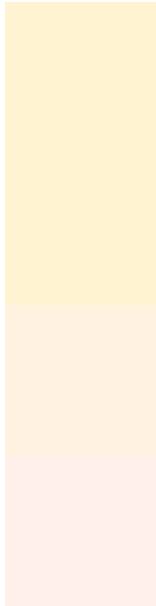
87.5466, 90.1111, 90.6209



Tritanopia

89.5191, 89.9580, 103.9123

Trichromacy



Original Color

84.7992, 89.9646, 73.2171

Protanomaly

84.9235, 90.0143, 73.8713

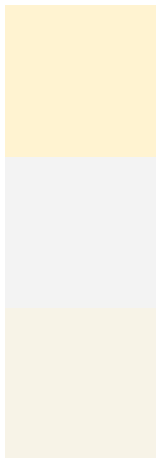
Deuteranomaly

86.5827, 90.2005, 84.0812

Tritanomaly

87.5404, 89.6363, 92.0445

Monochromacy



Original Color

84.7992, 89.9646, 73.2171

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.8322, 89.6449, 88.4334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7992, 89.9646, 73.2171 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, 209) looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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(255, 243, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 209) }
```

Border

The CSS property to change the border of an element to XYZ 84.7992, 89.9646, 73.2171 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, 209) }
```


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

```
.border{ border-color:rgb(255, 243, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7992, 89.9646, 73.2171 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, 209) }
```

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

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