

Converting Colors

XYZ(84.7449, 90.1678, 89.6602)

Have a look what the booklet for
XYZ(84.7449, 90.1678, 89.6602)
contains.

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Color

**XYZ(84.7149, 89.9970,
89.9970)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F4E9
RGB	245, 244, 233
RGB Percent	96%, 96%, 91%
CMY	0.0392, 0.0431, 0.0863
CMYK	0.00, 0.00, 0.05, 0.04
HSL	55°, 38%, 94%
HSV	55°, 5%, 96%
XYZ	84.7149, 89.9970, 89.9970
YIQ	243.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

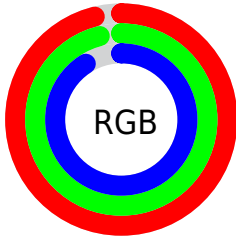
Format	Color
RYB	234, 245, 233
Decimal	16119017
CIELab	96.00, -1.56, 5.40
CIELCh	96, 5.620, 106.073
Yxy	89.9970, 0.3200, 0.3400
Android (android.graphics.Color)	4294309097 (0xFFFF5F4E9)
YUV	243.0450, -4.9522, 1.7145
Hunter-Lab	94.8667, -6.6184, 10.1602

Details

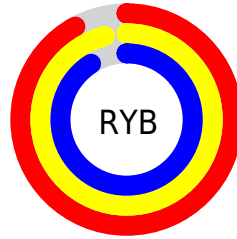
The XYZ color **84.7149, 89.9970, 89.9970** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.5087, 82.7609, 98.1714**, and the grayscale version is **85.2653, 89.7057, 97.6895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9053, 49.9596, 48.7660** is the 20% darker color. If you saturate the color by 10%, you get **80.8477, 87.4795, 72.6227**, and if you desaturate by 10%, it is **88.6744, 92.5680, 107.8015**.

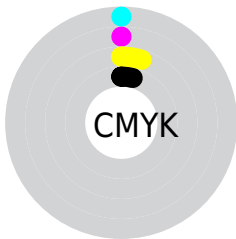
Distribution



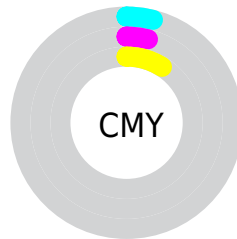
- Red (96%)
- Green (96%)
- Blue (91%)



- Red (92%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7149, 89.9970, 89.9970 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 84.7149, 89.9970, 89.9970 by changing the saturation by 10% instead.

84.7149, 89.9970,
89.9970

84.7149, 89.9970,
89.9970

499.1821,
528.0211, 548.5909

63.9275, 67.9782,
67.4045

138.8909,
147.3342, 149.2697

46.8534, 49.8800,
48.9497

173.0102,
183.4214, 186.7870

33.1273, 35.3180,
34.2143

212.3042,
224.9668, 230.1162

22.3837, 23.9080,
22.7796

257.1382,
272.3548, 279.6759

14.2573, 15.2654,
14.2271

307.8777,
325.9699, 335.8847

8.3827, 9.0058,
8.1382

364.8879,

4.3947, 4.7450,

386.1963, 399.1612

4.0945

428.5343,
453.4186, 469.9237

■ 1.9277, 2.0984,
1.6773

■ 0.5929, 0.6637,
0.3451

■ 84.7149, 89.9970,
89.9970

■ 84.7149, 89.9970,
89.9970

■ 80.8477, 87.4795,
72.6227

■ 88.6744, 92.5680,
107.8015

■ 77.4509, 85.1581,
57.7032

■ 89.2963, 93.8119,
108.0088

■ 74.5056, 83.0279,
45.1286

■ 89.9251, 95.0694,
108.2184

■ 71.9889, 81.0799,
34.7779

■ 90.5606, 96.3405,
108.4303

■ 69.8759, 79.3041,
26.5196

■ 91.2030, 97.6253,
108.6444

■ 68.1388, 77.6892,
20.2085

■ 91.4667, 98.1528,
108.7323

■ 66.7465, 76.2228,
15.6805

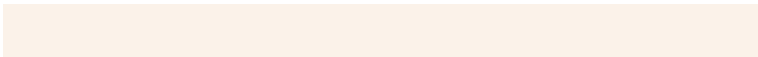
■ 65.6627, 74.8905,
12.7448

■ 64.8430, 73.6742,
11.1670

Harmonies

Analogous

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



86.2606, 89.9970, 89.9186



84.7149, 89.9970, 89.9970



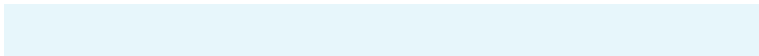
83.4056, 89.9970, 92.1743

Triad

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



84.7149, 89.9970, 89.9970



83.4834, 89.9970, 104.2843



88.4723, 89.9970, 100.0653

Complementary

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



84.7149, 89.9970, 89.9970



79.5087, 82.7609, 98.1714

Split Complementary

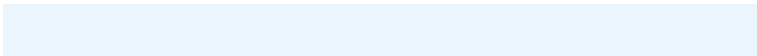
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7094, 89.9970, 104.0483



84.7149, 89.9970, 89.9970



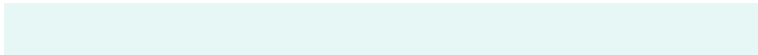
84.8224, 89.9970, 106.5335

Square

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



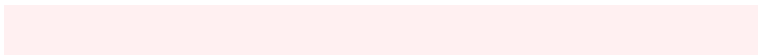
84.7149, 89.9970, 89.9970



82.7005, 89.9970, 100.3797



86.3693, 89.9970, 106.4458



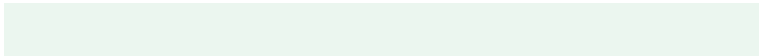
88.4427, 89.9970, 95.6414

Rectangle

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



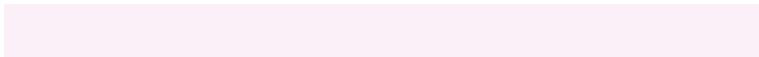
84.7149, 89.9970, 89.9970



82.8374, 89.9970, 94.5619



86.3693, 89.9970, 106.4458



88.2996, 89.9970, 101.5029

Sweetspot

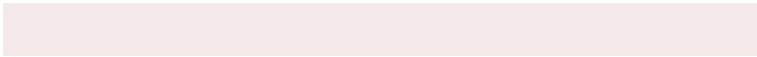
The Sweet Spot groups the original color and five complimentary colors.



84.7174, 90.0009, 89.9989



94.5746, 99.7019, 106.7296



81.6477, 83.6322, 89.6826



20.2479, 21.3435, 22.8674



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.



84.7174, 90.0009, 89.9989



92.2799, 98.2460, 96.3043



83.2969, 89.7146, 90.0186



18.0319, 19.2207, 18.6291



34.7929, 39.4714, 5.7850



3.0920, 3.5373, 0.5198

Inverse Universe

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



79.5087, 82.7609, 98.1714



85.3297, 88.5854, 107.2091



80.8816, 83.0489, 98.1546



16.5340, 17.1387, 20.9792



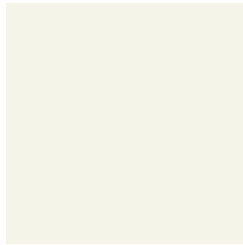
9.0561, 3.9060, 46.8146



0.8332, 0.4178, 4.1270

Previews

White Background



This preview shows how the XYZ color 84.7149, 89.9970, 89.9970 looks on a white background.

Color Contrast Check

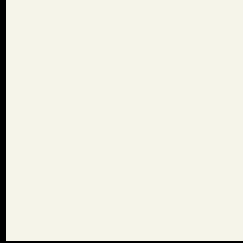
Large Text (above 18pt) WCAG AA × Fail

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 84.7149, 89.9970, 89.9970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

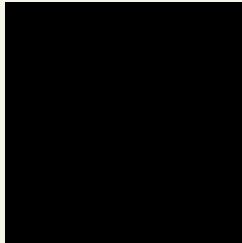
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

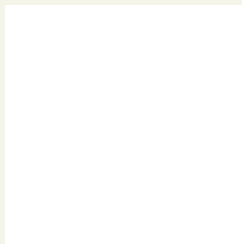
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.7149, 89.9970, 89.9970

Background



This preview shows how black text looks on a background with the XYZ color 84.7149, 89.9970, 89.9970.



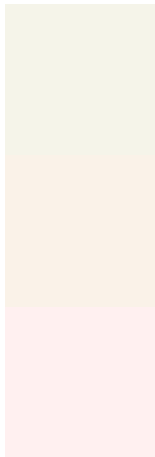
This preview shows how white text looks on a background with the XYZ color 84.7149, 89.9970, 89.9970.

89.9970.

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

84.7149, 89.9970, 89.9970

Protanopia

85.7420, 89.6545, 89.1299

Deuteranopia

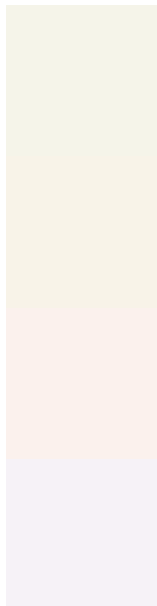
88.1283, 89.8714, 95.1401



Tritanopia

87.8631, 89.9048, 107.3302

Trichromacy



Original Color

84.7149, 89.9970, 89.9970

Protanomaly

85.3275, 89.8838, 89.1960

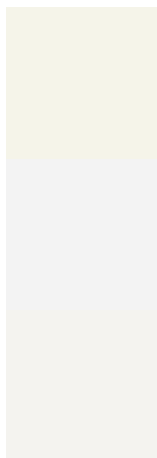
Deuteranomaly

86.5250, 89.5342, 92.8422

Tritanomaly

86.5467, 89.8125, 100.7697

Monochromacy



Original Color

84.7149, 89.9970, 89.9970

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.9388, 89.5663, 94.4726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7149, 89.9970, 89.9970 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(245, 244, 233) looks like.

```
.text, #text, p{  
    color:rgb(245, 244, 233)  
}
```

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(245, 244, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 244, 233) }
```

Border

The CSS property to change the border of an element to XYZ 84.7149, 89.9970, 89.9970 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(245, 244, 233) }
```


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

```
.border{ border-color:rgb(245, 244, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 244, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 244, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 244, 233);  
box-shadow:4px 4px 4px 4px rgb(245, 244,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7149, 89.9970, 89.9970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 244, 233) }
```

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

```
.background{ background-color: rgb(245,  
244, 233) }
```

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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