

# Converting Colors

XYZ(85.2508, 89.8924, 89.5653)

Have a look what the booklet for  
XYZ(85.2508, 89.8924, 89.5653)  
contains.

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# Color

**XYZ(84.9739, 89.7015,  
89.1795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F3E8
RGB	247, 243, 232
RGB Percent	97%, 95%, 91%
CMY	0.0314, 0.0470, 0.0902
CMYK	0.00, 0.02, 0.06, 0.03
HSL	44°, 48%, 94%
HSV	44°, 6%, 97%
XYZ	84.9739, 89.7015, 89.1795
YIQ	242.9420, 5.9150, -2.5730

# Conversions

## Conversions Part 2

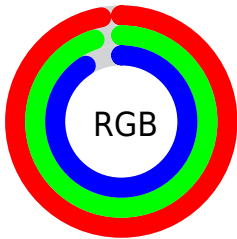
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 247, 232
Decimal	16249832
CIE Lab	95.87, -0.54, 5.76
CIE LCh	96, 5.784, 95.330
Yxy	89.7015, 0.3220, 0.3400
Android (android.graphics.Color)	4294439912 (0xFFFF7F3E8)
YUV	242.9420, -5.3944, 3.5589
Hunter-Lab	94.7109, -5.5951, 10.4703

# Details

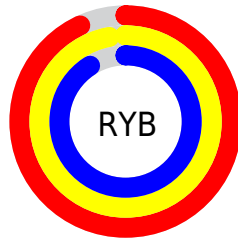
The XYZ color **84.9739, 89.7015, 89.1795** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0628, 83.8611, 99.9640**, and the grayscale version is **85.1857, 89.6220, 97.5983**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0927, 49.7516, 48.1953** is the 20% darker color. If you saturate the color by 10%, you get **79.7760, 84.5308, 71.3365**, and if you desaturate by 10%, it is **90.4653, 95.1084, 108.1975**.

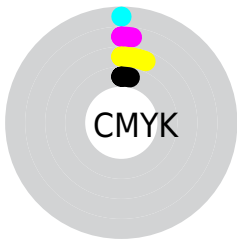
# Distribution



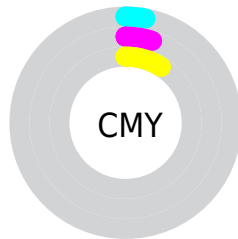
- Red (97%)
- Green (95%)
- Blue (91%)



- Red (93%)
- Yellow (97%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9739, 89.7015, 89.1795 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 84.9739, 89.7015, 89.1795 by changing the saturation by 10% instead.



84.9739, 89.7015,  
89.1795

84.9739, 89.7015,  
89.1795

500.0267,  
527.0594, 545.8592

64.1422, 67.7331,  
66.7305

139.2509,  
146.9237, 148.1237

47.0280, 49.6806,  
48.4054

173.4270,  
182.9463, 185.4559

33.2658, 35.1597,  
33.7858

212.7819,  
224.4224, 228.5863

22.4904, 23.7859,  
22.4530

257.6810,  
271.7364, 277.9334

14.3363, 15.1749,  
13.9887

308.4897,  
325.2727, 333.9157

8.4382, 8.9422,  
7.9741

365.5733,

4.4307, 4.7035,

385.4157, 396.9517

3.9909

429.2972,  
452.5498, 467.4601

■ 1.9486, 2.0744,  
1.6203

■ 0.6048, 0.6502,  
0.3053

■ 84.9739, 89.7015,  
89.1795

■ 84.9739, 89.7015,  
89.1795

■ 79.7760, 84.5308,  
71.3365

■ 90.4653, 95.1084,  
108.1975

■ 75.1182, 79.6849,  
56.0042

■ 92.1683, 98.5144,  
108.7651

■ 70.9803, 75.1576,  
43.0691

■ 67.3381, 70.9379,  
32.4065

■ 64.1649, 67.0139,  
23.8807

■ 61.4314, 63.3728,  
17.3411

■ 59.1047, 60.0000,  
12.6174

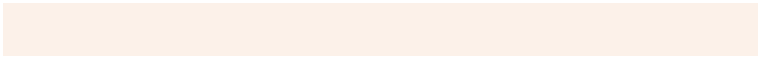
■ 57.1461, 56.8787,  
9.5106

■ 55.5080, 53.9887,  
7.7738

# Harmonies

## Analogous

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



86.5456, 89.7015, 89.9005



84.9739, 89.7015, 89.1795



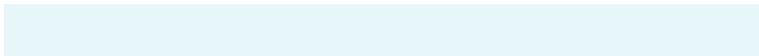
83.4966, 89.7015, 90.6751

# Triad

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



84.9739, 89.7015, 89.1795



82.7799, 89.7015, 102.8396



88.0771, 89.7015, 101.3833

# Complementary

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



84.9739, 89.7015, 89.1795



80.0628, 83.8611, 99.9640

# Split Complementary

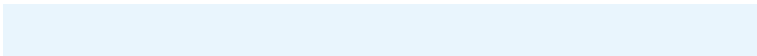
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0452, 89.7015, 105.0151



84.9739, 89.7015, 89.1795



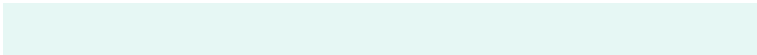
83.9844, 89.7015, 105.8741

# Square

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



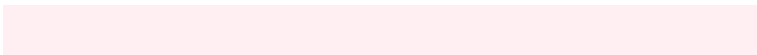
84.9739, 89.7015, 89.1795



82.2401, 89.7015, 98.4882



85.5439, 89.7015, 106.6823



88.3500, 89.7015, 96.8557



# Rectangle

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



84.9739, 89.7015, 89.1795



82.7601, 89.7015, 92.7561



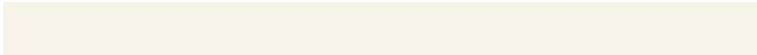
85.5439, 89.7015, 106.6823



87.8069, 89.7015, 102.7538

# Sweetspot

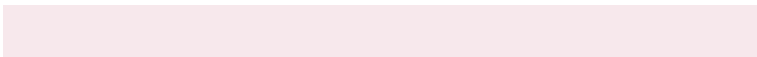
The Sweet Spot groups the original color and five complimentary colors.



84.9764, 89.7054, 89.1814



93.8078, 98.8121, 104.4887



82.3560, 83.5449, 91.1434



20.0918, 21.1624, 22.4111



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

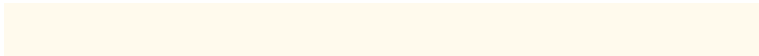


# Same Dimension

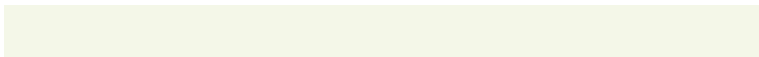
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9764, 89.7054, 89.1814



90.8098, 95.9068, 93.9614



84.9625, 91.4928, 89.5272



17.7328, 18.7331, 18.1886



29.1698, 28.2251, 3.9106



2.6478, 2.6488, 0.3717



# Inverse Universe

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



80.0628, 83.8611, 99.9640



84.7490, 88.6981, 107.2614



80.0727, 82.1775, 99.6385



16.4529, 17.2107, 20.9974



10.0019, 5.7976, 47.1299

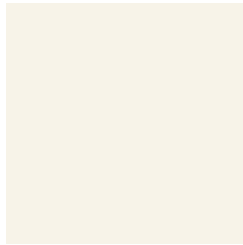


0.9601, 0.6717, 4.1693



# Previews

## White Background



This preview shows how the XYZ color 84.9739, 89.7015, 89.1795 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

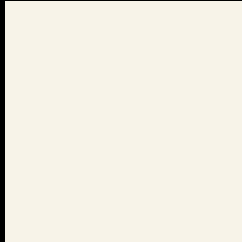
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9739, 89.7015, 89.1795 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 84.9739, 89.7015, 89.1795

## Background



This preview shows how black text looks on a background with the XYZ color 84.9739, 89.7015, 89.1795.



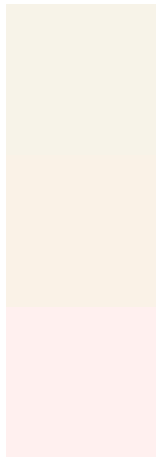
This preview shows how white text looks on a background with the XYZ color 84.9739, 89.7015,

89.1795.

# 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

84.9739, 89.7015, 89.1795

### Protanopia

85.6003, 89.5978, 88.3838

### Deuteranopia

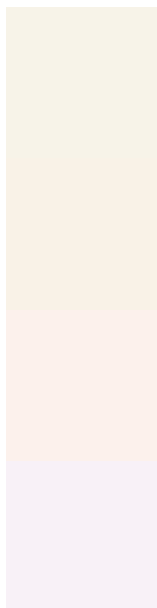
87.9801, 89.8122, 94.3598



## Tritanopia

88.2770, 89.6799, 107.2650

# Trichromacy



## Original Color

84.9739, 89.7015, 89.1795

## Protanomaly

85.2429, 89.4135, 88.3671

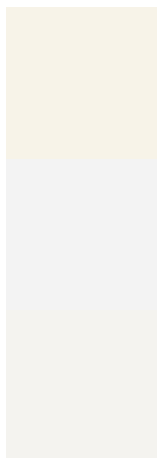
## Deuteranomaly

86.7405, 89.6622, 92.0917

## Tritanomaly

86.9552, 89.5825, 100.7038

# Monochromacy



## Original Color

84.9739, 89.7015, 89.1795

## 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 84.9739, 89.7015, 89.1795 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(247, 243, 232) looks like.

```
.text, #text, p{  
    color:rgb(247, 243, 232)  
}
```

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(247, 243, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 243, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9739, 89.7015, 89.1795 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(247, 243, 232) }
```



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

```
.border{ border-color:rgb(247, 243, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 243, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 243, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 243, 232);  
box-shadow:4px 4px 4px 4px rgb(247, 243,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9739, 89.7015, 89.1795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 243, 232) }
```

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

```
.background{ background-color: rgb(247,  
243, 232) }
```

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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