

# Converting Colors

XYZ(83.8810, 87.4506, 77.8382)

Have a look what the booklet for  
XYZ(83.8810, 87.4506, 77.8382)  
contains.

<b>XYZ(83.8989, 87.6254, 78.1371)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(83.8989, 87.6254,  
78.1371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDEFD9
RGB	253, 239, 217
RGB Percent	99%, 94%, 85%
CMY	0.0078, 0.0627, 0.1490
CMYK	0.00, 0.06, 0.14, 0.01
HSL	37°, 90%, 92%
HSV	37°, 14%, 99%
XYZ	83.8989, 87.6254, 78.1371
YIQ	240.6780, 15.4060, -3.8740

# Conversions

## Conversions Part 2

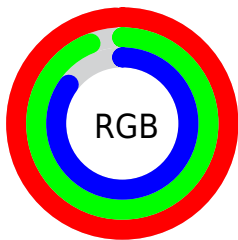
Format	Color
<a href="#">RYB</a>	<a href="#">240, 253, 217</a>
Decimal	<a href="#">16642009</a>
CIELab	<a href="#">95.00, 1.17, 12.33</a>
CIELCh	<a href="#">95, 12.381, 84.568</a>
Yxy	<a href="#">87.6254, 0.3361, 0.3510</a>
Android (android.graphics.Color)	<a href="#">4294832089</a> ( <a href="#">0xFFFDEFD9</a> )
YUV	<a href="#">240.6780, -11.6733, 10.8064</a>
Hunter-Lab	<a href="#">93.6084, -3.8297, 16.0352</a>

# Details

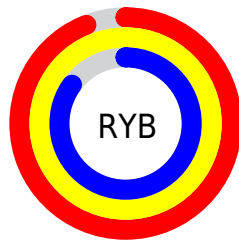
The XYZ color **83.8989, 87.6254, 78.1371** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9205, 78.9938, 104.2279**, and the grayscale version is **83.4383, 87.7836, 95.5964**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2200, 48.2114, 41.0521** is the 20% darker color. If you saturate the color by 10%, you get **78.0563, 80.8085, 61.1797**, and if you desaturate by 10%, it is **90.4075, 94.9653, 97.8075**.

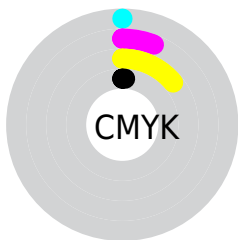
# Distribution



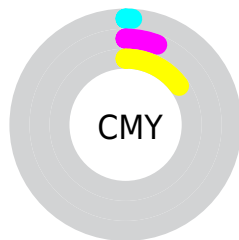
- Red (99%)
- Green (94%)
- Blue (85%)



- Red (94%)
- Yellow (99%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (14%)
- Black (1%)




- Cyan (1%)
- Magenta (6%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8989, 87.6254, 78.1371 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 83.8989, 87.6254, 78.1371 by changing the saturation by 10% instead.




 83.8989, 87.6254,  
78.1371

 83.8989, 87.6254,  
78.1371


496.5162,  
520.2757, 508.1726

 63.2514, 66.0129,  
57.6695


137.7557,  
144.0355, 132.5310

 46.3040, 48.2829,  
41.1301


171.6958,  
179.6019, 167.2944

 32.6914, 34.0509,  
28.1003


210.7974,  
220.5884, 207.6601

 22.0483, 22.9327,  
18.1615

255.4259,  
267.3793, 254.0467

 14.0092, 14.5438,  
10.8954

305.9467,  
320.3591, 306.8727

 8.2088, 8.4999,  
5.8832

362.7251,

 4.2818, 4.4164,

379.9122, 366.5566

2.7066

426.1265,  
446.4229, 433.5171

■ 1.8627, 1.9091,  
0.9467

■ 0.5550, 0.5539,  
0.0000

■ 83.8989, 87.6254,  
78.1371

■ 83.8989, 87.6254,  
78.1371

■ 78.0563, 80.8085,  
61.1797

■ 90.4075, 94.9653,  
97.8075

■ 72.8473, 74.4889,  
46.8082

■ 94.3183, 99.6228,  
108.8658

■ 68.2469, 68.6555,  
34.8938

■ 64.2258, 63.2924,  
25.2941

■ 60.7516, 58.3823,  
17.8521

■ 57.7882, 53.9066,  
12.3909

■ 55.2940, 49.8440,  
8.7052

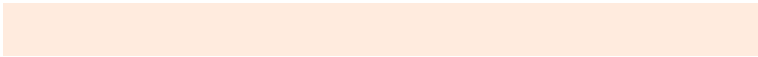
■ 53.2185, 46.1697,  
6.5439

■ 52.1709, 44.2079,  
5.7833

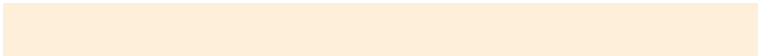
# Harmonies

## Analogous

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



87.0902, 87.6254, 81.1029



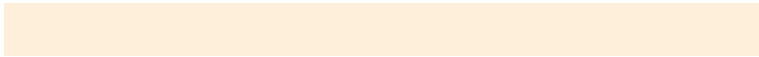
83.8989, 87.6254, 78.1371



80.6259, 87.6254, 79.5400

# Triad

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



83.8989, 87.6254, 78.1371



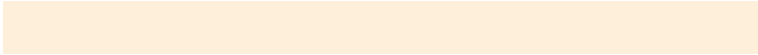
77.5424, 87.6254, 103.3169



88.6653, 87.6254, 106.5518

# Complementary

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



83.8989, 87.6254, 78.1371



74.9205, 78.9938, 104.2279

# Split Complementary

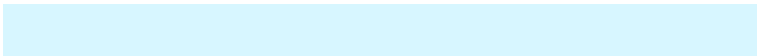
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0025, 87.6254, 113.2600



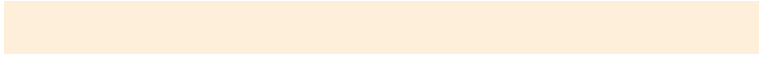
83.8989, 87.6254, 78.1371



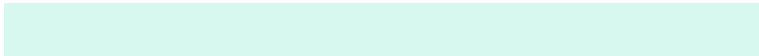
79.5929, 87.6254, 111.3061

# Square

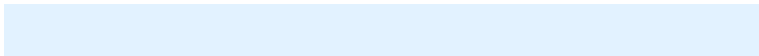
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8989, 87.6254, 78.1371



77.0132, 87.6254, 93.6669



82.6747, 87.6254, 115.0556

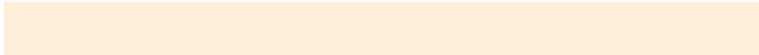


89.8891, 87.6254, 97.1729



# Rectangle

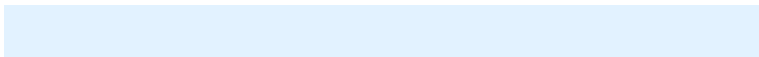
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8989, 87.6254, 78.1371



78.8300, 87.6254, 82.8160



82.6747, 87.6254, 115.0556



87.9054, 87.6254, 109.2183

# Sweetspot

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



83.9013, 87.6293, 78.1390



92.1989, 96.8564, 100.0620



79.8023, 76.3017, 86.4206



19.6223, 20.6068, 21.0727



0.0000, 0.0000, 0.0000

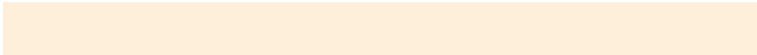


20.3446, 21.4041, 23.3091

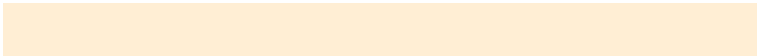


# Same Dimension

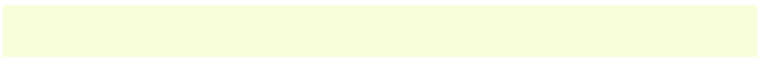
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9013, 87.6293, 78.1390



83.6971, 87.2309, 74.4821



86.8602, 95.4745, 79.4973



18.9336, 19.8355, 18.9750



27.8986, 23.8083, 3.1251



2.8226, 2.5305, 0.3397



# Inverse Universe

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



74.9205, 78.9938, 104.2279



72.9824, 76.9287, 105.6099



72.2408, 72.0283, 103.0246



17.5821, 18.5358, 22.9010



11.9037, 8.7169, 50.4897

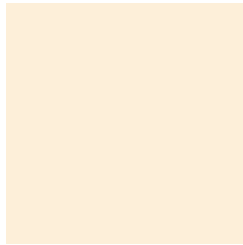


1.2613, 1.0533, 4.9501



# Previews

## White Background



This preview shows how the XYZ color 83.8989, 87.6254, 78.1371 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 83.8989, 87.6254, 78.1371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

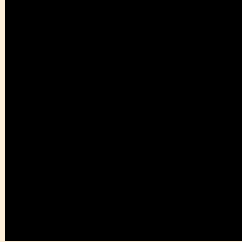
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

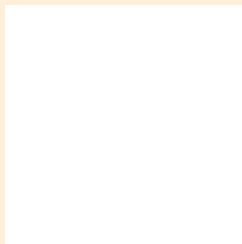
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.8989, 87.6254, 78.1371**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.8989, 87.6254, 78.1371.



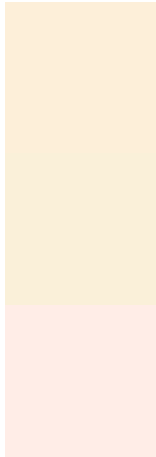
This preview shows how white text looks on a background with the XYZ color 83.8989, 87.6254,

78.1371.

# 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

83.8989, 87.6254, 78.1371

### Protanopia

83.1088, 87.6539, 78.1842

### Deuteranopia

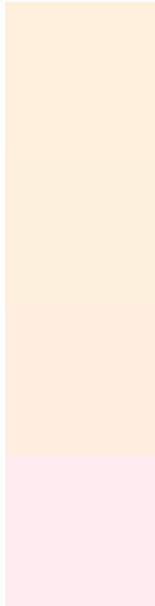
85.9480, 87.5979, 87.9794



## Tritanopia

88.2036, 87.5788, 102.6980

# Trichromacy



## Original Color

83.8989, 87.6254, 78.1371

## Protanomaly

83.4681, 87.8392, 78.2011

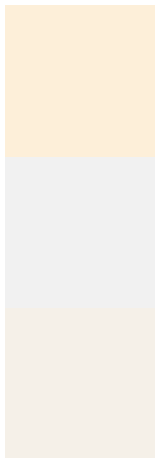
## Deuteranomaly

85.1751, 87.7109, 84.3922

## Tritanomaly

86.3011, 87.2348, 93.1784

# Monochromacy



## Original Color

83.8989, 87.6254, 78.1371

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.3818, 87.5588, 88.8498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8989, 87.6254, 78.1371 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(253, 239, 217) looks like.

```
.text, #text, p{  
    color:rgb(253, 239, 217)  
}
```

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(253, 239, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 239, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8989, 87.6254, 78.1371 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(253, 239, 217) }
```



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

```
.border{ border-color:rgb(253, 239, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 239, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 239, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 239, 217);  
box-shadow:4px 4px 4px 4px rgb(253, 239,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8989, 87.6254, 78.1371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 239, 217) }
```

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

```
.background{ background-color: rgb(253,  
239, 217) }
```

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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