

# Converting Colors

XYZ(83.7298, 87.1848, 74.8366)

Have a look what the booklet for  
XYZ(83.7298, 87.1848, 74.8366)  
contains.

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# Color

**XYZ(83.6982, 87.1625,  
74.7000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEED4
RGB	255, 238, 212
RGB Percent	100%, 93%, 83%
CMY	0.0000, 0.0666, 0.1686
CMYK	0.00, 0.07, 0.17, 0.00
HSL	36°, 100%, 92%
HSV	36°, 17%, 100%
XYZ	83.6982, 87.1625, 74.7000
YIQ	240.1190, 18.4780, -4.4820

# Conversions

## Conversions Part 2

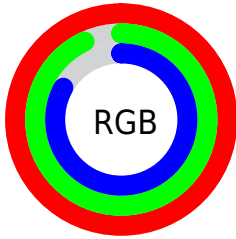
Format	Color
R <sub>Y</sub> B	240, 255, 212
Decimal	16772820
CIE Lab	94.81, 1.63, 14.65
CIE LCh	95, 14.744, 83.640
Yxy	87.1625, 0.3408, 0.3550
Android (android.graphics.Color)	4294962900 (0xFFFFEED4)
YUV	240.1190, -13.8627, 13.0506
Hunter-Lab	93.3609, -3.3559, 17.9134

# Details

The XYZ color **83.6982, 87.1625, 74.7000** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.2200, 77.2535, 105.6601**, and the grayscale version is **83.0144, 87.3376, 95.1106**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1025, 47.8960, 38.7133** is the 20% darker color. If you saturate the color by 10%, you get **77.8800, 80.2738, 58.1242**, and if you desaturate by 10%, it is **90.1928, 94.5905, 94.0098**.

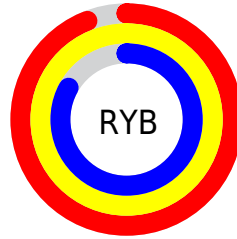
# Distribution



Red (100%)

Green (93%)

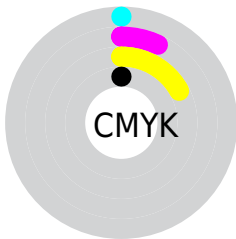
Blue (83%)



Red (94%)

Yellow (100%)

Blue (83%)

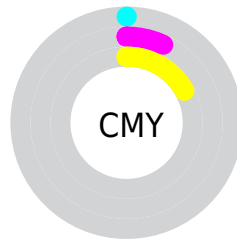


Cyan (0%)

Magenta (7%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6982, 87.1625, 74.7000 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 83.6982, 87.1625, 74.7000 by changing the saturation by 10% instead.




 83.6982, 87.1625,  
74.7000

 83.6982, 87.1625,  
74.7000


495.8593,  
518.7567, 496.1137

 63.0852, 65.6297,  
54.8669


137.4764,  
143.3906, 127.6308

 46.1690, 47.9719,  
38.8973

171.3722,  
178.8547, 161.5656

 32.5844, 33.8046,  
26.3726


210.4264,  
219.7314, 201.0380

 21.9660, 22.7435,  
16.8743

255.0042,  
266.4050, 246.4666

 13.9484, 14.4042,  
9.9839

305.4710,  
319.2599, 298.2699

 8.1662, 8.4024,  
5.2828

362.1923,

 4.2542, 4.3535,

378.6806, 356.8665

2.3525

425.5332,  
445.0514, 422.6749

■ 1.8469, 1.8732,  
0.7604

■ 0.5457, 0.5322,  
0.0000

■ 83.6982, 87.1625,  
74.7000

■ 83.6982, 87.1625,  
74.7000

■ 77.8800, 80.2738,  
58.1242

■ 90.1928, 94.5905,  
94.0098

■ 72.7057, 73.8982,  
44.1508

95.0500, 100.0000,  
108.9000

■ 68.1488, 68.0239,  
32.6454

■ 64.1787, 62.6340,  
23.4594

■ 60.7611, 57.7103,  
16.4277

■ 57.8579, 53.2327,  
11.3634

■ 55.4246, 49.1786,  
8.0472

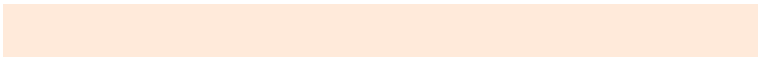
■ 53.4054, 45.5206,  
6.2014

■ 52.8317, 44.4434,  
5.7939

# Harmonies

## Analogous

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



87.4776, 87.1625, 78.2876



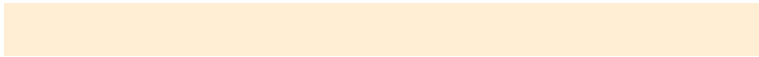
83.6982, 87.1625, 74.7000



79.8069, 87.1625, 76.1660

# Triad

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



83.6982, 87.1625, 74.7000



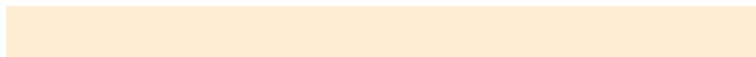
76.0139, 87.1625, 103.9911



89.1786, 87.1625, 108.5369

# Complementary

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



83.6982, 87.1625, 74.7000



73.2200, 77.2535, 105.6601

# Split Complementary

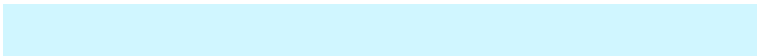
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9600, 87.1625, 116.4904



83.6982, 87.1625, 74.7000



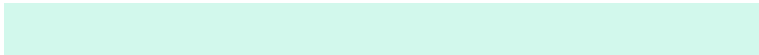
78.3795, 87.1625, 113.7221

# Square

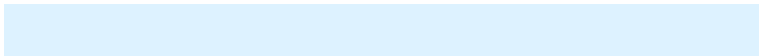
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6982, 87.1625, 74.7000



75.4520, 87.1625, 92.4917



81.9983, 87.1625, 118.4600



90.7066, 87.1625, 97.3602



# Rectangle

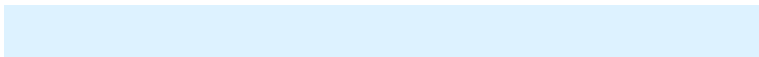
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6982, 87.1625, 74.7000



77.6626, 87.1625, 79.8753



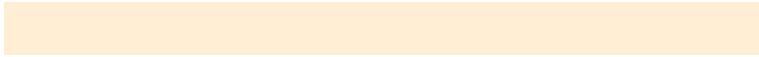
81.9983, 87.1625, 118.4600



88.2536, 87.1625, 111.7112

# Sweetspot

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



83.7002, 87.1662, 74.7018



91.4781, 96.0328, 97.9162



78.9549, 74.0162, 84.4012



19.4756, 20.4380, 20.6401



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.



83.7002, 87.1662, 74.7018



81.8027, 84.9468, 69.2117



87.3196, 96.7271, 76.3565



18.9235, 19.8151, 18.9717



27.7555, 23.5222, 3.0774

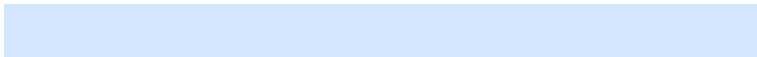


2.8091, 2.5036, 0.3352



# Inverse Universe

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



73.2200, 77.2535, 105.6601



69.6495, 73.4527, 105.1146



70.0020, 68.9528, 104.2275



17.5920, 18.5556, 22.9043



11.9875, 8.8847, 50.5177

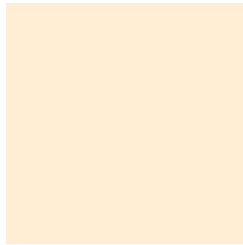


1.2701, 1.0710, 4.9530



# Previews

## White Background



This preview shows how the XYZ color 83.6982, 87.1625, 74.7000 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 83.6982, 87.1625, 74.7000 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 83.6982, 87.1625, 74.7000

## Background



This preview shows how black text looks on a background with the XYZ color 83.6982, 87.1625, 74.7000.



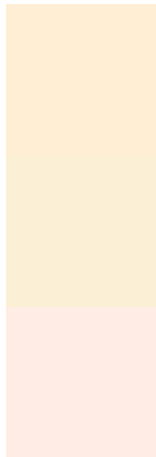
This preview shows how white text looks on a background with the XYZ color 83.6982, 87.1625,

74.7000.

# 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

83.6982, 87.1625, 74.7000

### Protanopia

82.6604, 87.0463, 75.3957

### Deuteranopia

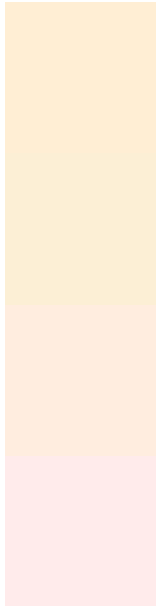
85.3783, 86.9080, 86.4038



## Tritanopia

87.6061, 86.8829, 100.9597

# Trichromacy



## Original Color

83.6982, 87.1625, 74.7000

## Protanomaly

83.0216, 87.2325, 75.4126

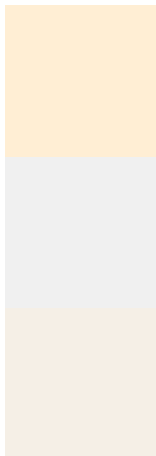
## Deuteranomaly

84.8435, 87.1561, 82.1631

## Tritanomaly

85.9437, 86.6748, 90.7975

# Monochromacy



## Original Color

83.6982, 87.1625, 74.7000

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.8056, 86.8587, 87.2640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6982, 87.1625, 74.7000 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, 238, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 212)  
}
```

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, 238, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6982, 87.1625, 74.7000 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, 238, 212) }
```



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

```
.border{ border-color:rgb(255, 238, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6982, 87.1625, 74.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 212) }
```

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

```
.background{ background-color: rgb(255,  
238, 212) }
```

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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