

# Converting Colors

XYZ(83.0901, 85.2018, 77.7038)

Have a look what the booklet for  
XYZ(83.0901, 85.2018, 77.7038)  
contains.

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# Color

**XYZ(82.8203, 84.9262,  
77.6729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEEAD9
RGB	254, 234, 217
RGB Percent	100%, 92%, 85%
CMY	0.0039, 0.0823, 0.1490
CMYK	0.00, 0.08, 0.15, 0.00
HSL	28°, 95%, 92%
HSV	28°, 15%, 100%
XYZ	82.8203, 84.9262, 77.6729
YIQ	238.0420, 17.3770, -1.0470

# Conversions

## Conversions Part 2

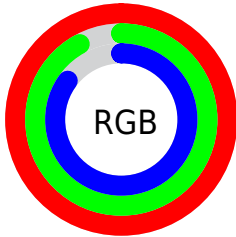
Format	Color
R <sub>Y</sub> B	254, 248, 217
Decimal	16706265
CIE Lab	93.85, 4.07, 10.70
CIE LCh	94, 11.444, 69.157
Yxy	84.9262, 0.3375, 0.3460
Android (android.graphics.Color)	4294896345 (0xFFFEAD9)
YUV	238.0420, -10.3737, 13.9952
Hunter-Lab	92.1554, -0.8536, 14.5364

# Details

The XYZ color **82.8203, 84.9262, 77.6729** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7886, 82.4743, 105.6388**, and the grayscale version is **81.3709, 85.6085, 93.2276**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4679, 46.3197, 40.7266** is the 20% darker color. If you saturate the color by 10%, you get **76.0104, 76.1924, 60.3385**, and if you desaturate by 10%, it is **90.4462, 94.4766, 97.7899**.

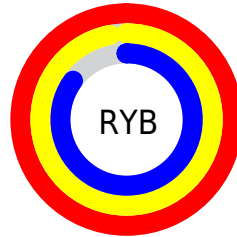
# Distribution



Red (100%)

Green (92%)

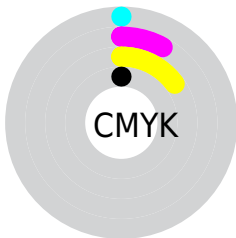
Blue (85%)



Red (100%)

Yellow (97%)

Blue (85%)

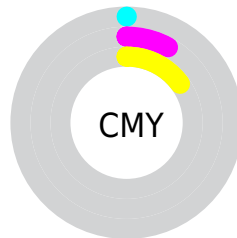


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8203, 84.9262, 77.6729 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 82.8203, 84.9262, 77.6729 by changing the saturation by 10% instead.




 82.8203, 84.9262,  
77.6729

 82.8203, 84.9262,  
77.6729


492.9804,  
511.3838, 506.5537

 62.3583, 63.7804,  
57.2905


136.2536,  
140.2701, 131.8706

 45.5790, 46.4728,  
40.8276


169.9556,  
175.2369, 166.5229

 32.1169, 32.6191,  
27.8657


208.8017,  
215.5796, 206.7689

 21.6068, 21.8348,  
17.9863

253.1572,  
261.6824, 253.0272

 13.6833, 13.7356,  
10.7708

303.3874,  
313.9299, 305.7163

 7.9809, 7.9370,  
5.8007

359.8578,

 4.1344, 4.0547,

372.7064, 365.2547

2.6575

422.9337,  
438.3962, 432.0610

■ 1.7785, 1.7042,  
0.9219

■ 0.5046, 0.4264,  
0.0000

■ 82.8203, 84.9262,  
77.6729

■ 82.8203, 84.9262,  
77.6729

■ 76.0104, 76.1924,  
60.3385

■ 90.4462, 94.4766,  
97.7899

■ 69.9795, 68.2409,  
45.6569

94.6835, 99.8110,  
108.8828

■ 64.6980, 61.0514,  
33.4960

■ 60.1312, 54.5983,  
23.7102

■ 56.2415, 48.8543,  
16.1387

■ 52.9870, 43.7899,  
10.6002

■ 50.3200, 39.3728,  
6.8845

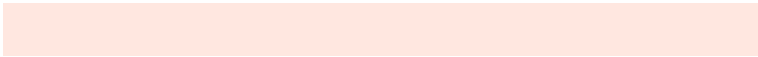
■ 48.1833, 35.5660,  
4.7338

■ 47.2039, 33.7320,  
4.0230

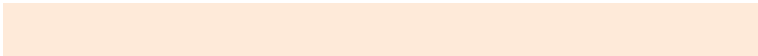
# Harmonies

## Analogous

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



85.3438, 84.9262, 82.2845



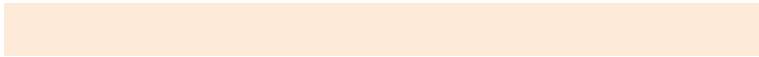
82.8203, 84.9262, 77.6729



79.7920, 84.9262, 76.8891

# Triad

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



82.8203, 84.9262, 77.6729



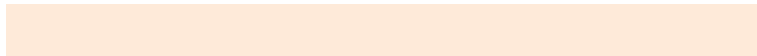
75.0783, 84.9262, 95.1634



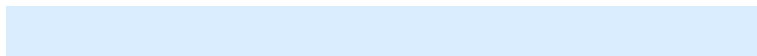
84.4723, 84.9262, 106.0865

# Complementary

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



82.8203, 84.9262, 77.6729



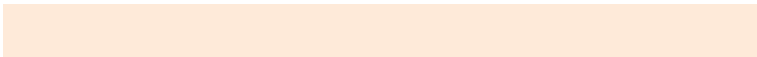
76.7886, 82.4743, 105.6388

# Split Complementary

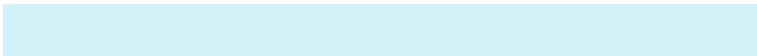
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6548, 84.9262, 110.0256



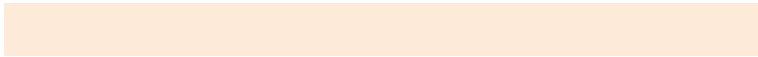
82.8203, 84.9262, 77.6729



76.2659, 84.9262, 103.4636

# Square

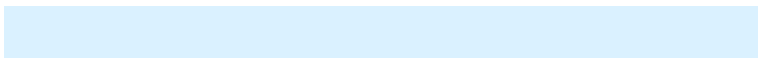
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8203, 84.9262, 77.6729



75.3726, 84.9262, 86.6333



78.6551, 84.9262, 109.0367

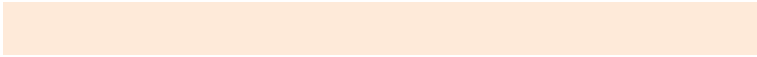


86.3141, 84.9262, 98.5636

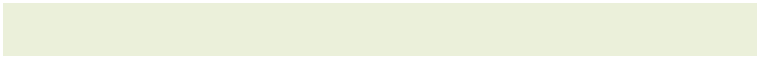


# Rectangle

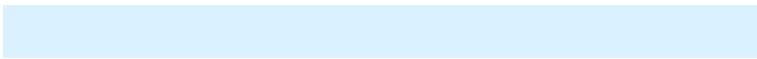
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8203, 84.9262, 77.6729



77.9017, 84.9262, 78.5907



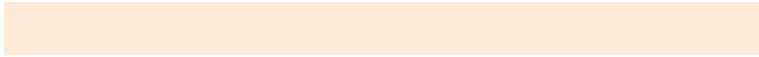
78.6551, 84.9262, 109.0367



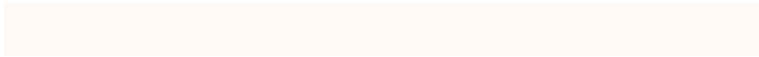
83.6050, 84.9262, 107.8945

# Sweetspot

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



82.8226, 84.9300, 77.6747



91.7176, 95.8937, 99.9015



81.0242, 76.8326, 90.9499



19.5004, 20.3631, 21.0321



0.0000, 0.0000, 0.0000

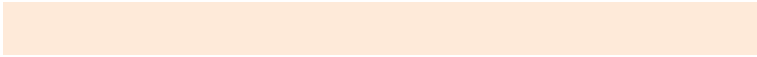


20.3446, 21.4041, 23.3091

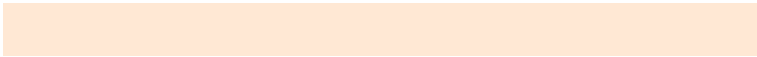


# Same Dimension

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



82.8226, 84.9300, 77.6747



81.8161, 83.4689, 73.8551



88.2560, 95.7967, 79.4858



18.6972, 19.3626, 18.8962



25.0299, 18.0711, 2.1689

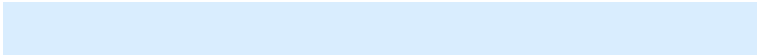


2.5448, 1.9751, 0.2471

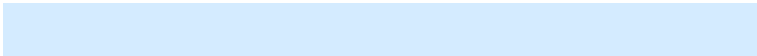


# Inverse Universe

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



76.7886, 82.4743, 105.6388



74.8310, 80.6259, 106.2261



71.7982, 72.4935, 103.9753



17.8163, 19.0042, 22.9791



14.3171, 13.5438, 51.2942

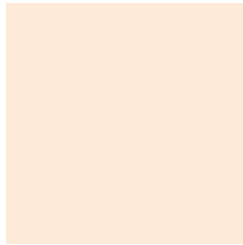


1.5033, 1.5374, 5.0308



# Previews

## White Background



This preview shows how the XYZ color 82.8203, 84.9262, 77.6729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

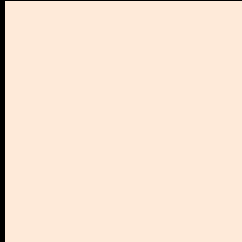
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8203, 84.9262, 77.6729 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 82.8203, 84.9262, 77.6729**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8203, 84.9262, 77.6729.



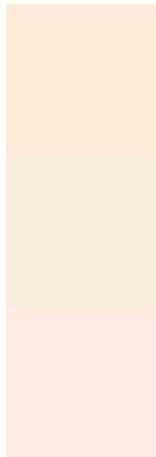
This preview shows how white text looks on a background with the XYZ color 82.8203, 84.9262,

77.6729.

# 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

82.8203, 84.9262, 77.6729

### Protanopia

80.9451, 85.2232, 78.5131

### Deuteranopia

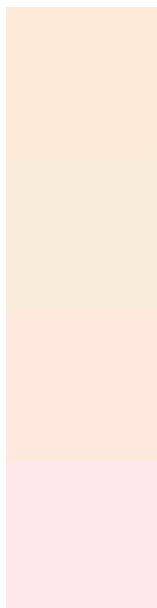
84.2440, 85.0839, 84.6557



## Tritanopia

86.4505, 85.0656, 99.0517

# Trichromacy



## Original Color

82.8203, 84.9262, 77.6729

## Protanomaly

81.7173, 85.1926, 78.4665

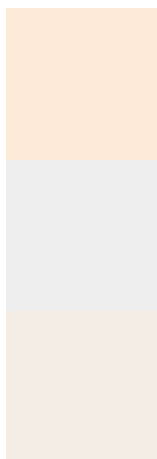
## Deuteranomaly

83.6982, 84.8655, 81.7814

## Tritanomaly

85.0920, 84.9714, 90.5135

# Monochromacy



## Original Color

82.8203, 84.9262, 77.6729

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.8753, 85.5146, 87.0536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8203, 84.9262, 77.6729 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(254, 234, 217) looks like.

```
.text, #text, p{  
    color:rgb(254, 234, 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(254, 234, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 234, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8203, 84.9262, 77.6729 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(254, 234, 217) }
```



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

```
.border{ border-color:rgb(254, 234, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 234, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 234, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 234, 217);  
box-shadow:4px 4px 4px 4px rgb(254, 234,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8203, 84.9262, 77.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 234, 217) }
```

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

```
.background{ background-color: rgb(254,  
234, 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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