

# Converting Colors

XYZ(82.4729, 86.8027, 72.0542)

Have a look what the booklet for  
XYZ(82.4729, 86.8027, 72.0542)  
contains.

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# Color

**XYZ(82.4677, 86.5858,  
72.0407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDEED0
RGB	253, 238, 208
RGB Percent	99%, 93%, 82%
CMY	0.0078, 0.0666, 0.1843
CMYK	0.00, 0.06, 0.18, 0.01
HSL	40°, 92%, 90%
HSV	40°, 18%, 99%
XYZ	82.4677, 86.5858, 72.0407
YIQ	239.0650, 18.5700, -6.1500

# Conversions

## Conversions Part 2

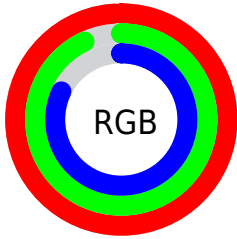
Format	Color
R <sub>Y</sub> B	231, 253, 208
Decimal	16641744
CIE Lab	94.56, 0.33, 16.35
CIE LCh	95, 16.353, 88.848
Yxy	86.5858, 0.3421, 0.3591
Android (android.graphics.Color)	4294831824 (0xFFFDEED0)
YUV	239.0650, -15.3150, 12.2210
Hunter-Lab	93.0515, -4.6429, 19.2336

# Details

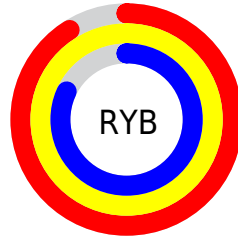
The XYZ color **82.4677, 86.5858, 72.0407** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.1293, 73.2754, 103.3764**, and the grayscale version is **82.2020, 86.4829, 94.1799**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3256, 47.5248, 37.3561** is the 20% darker color. If you saturate the color by 10%, you get **77.2034, 80.6471, 56.1346**, and if you desaturate by 10%, it is **88.3482, 92.9608, 90.6039**.

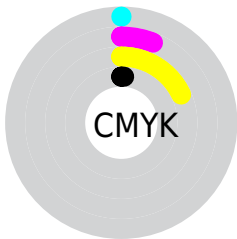
# Distribution



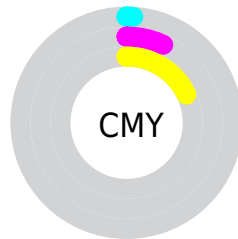
- Red (99%)
- Green (93%)
- Blue (82%)



- Red (91%)
- Yellow (99%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (1%)



- Cyan (1%)
- Magenta (7%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4677, 86.5858, 72.0407 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 82.4677, 86.5858, 72.0407 by changing the saturation by 10% instead.




 82.4677, 86.5858,  
72.0407

 82.4677, 86.5858,  
72.0407

491.8216,  
516.8608, 486.6646

 62.0665, 65.1525,  
52.7049


135.7621,  
142.5867, 123.8227

 45.3423, 47.5847,  
37.1811


169.3860,  
177.9230, 157.1059

 31.9295, 33.4982,  
25.0509

208.1483,  
218.6625, 195.8753

 21.4630, 22.5083,  
15.8956

252.4142,  
265.1895, 240.5495

 13.5772, 14.2309,  
9.2967

302.5491,  
317.8885, 291.5470

 7.9069, 8.2814,  
4.8358

358.9184,

 4.0868, 4.2756,

377.1438, 349.2863

2.0942

421.8875,  
443.3397, 414.1860

■ 1.7513, 1.8289,  
0.6123

■ 0.4881, 0.5051,  
0.0000

■ 82.4677, 86.5858,  
72.0407

■ 82.4677, 86.5858,  
72.0407

■ 77.2034, 80.6471,  
56.1346

■ 88.3482, 92.9608,  
90.6039

■ 72.5233, 75.1206,  
42.7557

■ 94.2759, 99.5380,  
108.8516

■ 68.4027, 69.9968,  
31.7718

■ 94.3183, 99.6228,  
108.8658

■ 64.8122, 65.2613,  
23.0360

■ 61.7194, 60.8985,  
16.3852

■ 59.0874, 56.8910,  
11.6341

■ 56.8731, 53.2187,  
8.5642

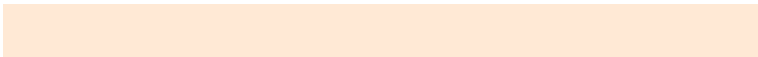
■ 55.0194, 49.8560,  
6.8842

■ 54.6398, 49.1459,  
6.6063

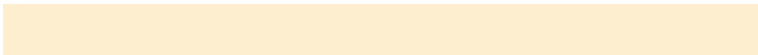
# Harmonies

## Analogous

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



86.7580, 86.5858, 75.0006



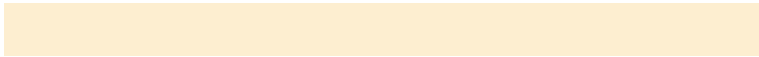
82.4677, 86.5858, 72.0407



78.2770, 86.5858, 74.5824

# Triad

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



82.4677, 86.5858, 72.0407



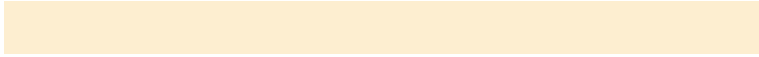
75.0975, 86.5858, 106.4746



89.7623, 86.5858, 107.3938

# Complementary

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



82.4677, 86.5858, 72.0407



70.1293, 73.2754, 103.3764

# Split Complementary

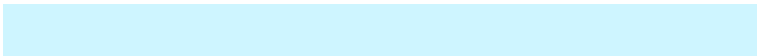
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4527, 86.5858, 117.1656



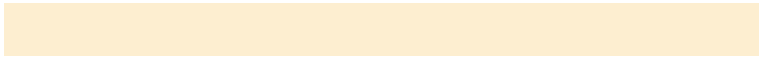
82.4677, 86.5858, 72.0407



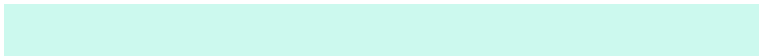
77.9920, 86.5858, 116.6025

# Square

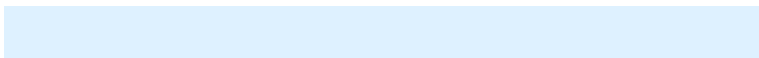
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4677, 86.5858, 72.0407



74.1144, 86.5858, 93.7901



82.1269, 86.5858, 120.6747



91.0611, 86.5858, 94.7660

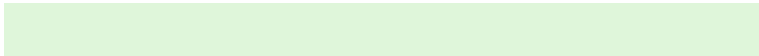


# Rectangle

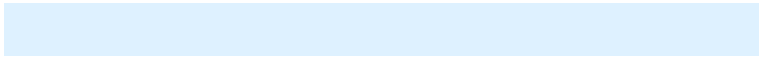
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4677, 86.5858, 72.0407



76.0817, 86.5858, 79.1953



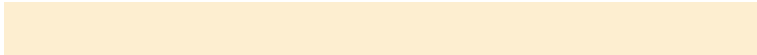
82.1269, 86.5858, 120.6747



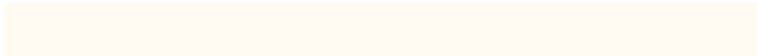
88.8423, 86.5858, 111.1617

# Sweetspot

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



82.4700, 86.5897, 72.0425



91.7242, 96.5250, 97.9982



76.3841, 71.3232, 79.5539



19.5355, 20.5577, 20.6600



0.0000, 0.0000, 0.0000

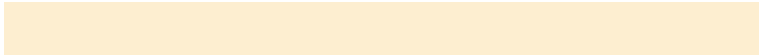


20.3446, 21.4041, 23.3091



# Same Dimension

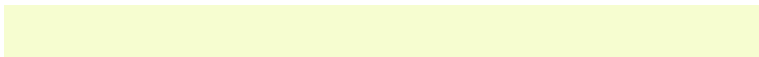
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4700, 86.5897, 72.0425



82.1651, 86.1571, 67.8357



84.3421, 94.3078, 73.4336



19.0214, 20.0110, 19.0043



29.2058, 26.4228, 3.5608



2.9442, 2.7738, 0.3802



# Inverse Universe

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



70.1293, 73.2754, 103.3764



67.6668, 70.5164, 104.6524



68.4579, 66.7277, 102.2007



17.4975, 18.3666, 22.8728



11.2496, 7.4088, 50.2717



1.1910, 0.9126, 4.9267



# Previews

## White Background



This preview shows how the XYZ color 82.4677, 86.5858, 72.0407 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 82.4677, 86.5858, 72.0407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

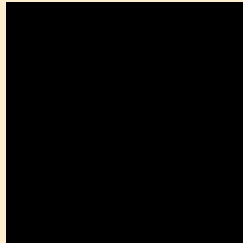
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.4677, 86.5858, 72.0407**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.4677, 86.5858, 72.0407.



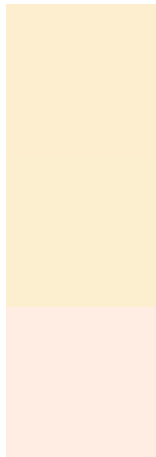
This preview shows how white text looks on a background with the XYZ color 82.4677, 86.5858,



# 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

82.4677, 86.5858, 72.0407

### Protanopia

82.0353, 86.7963, 72.1041

### Deuteranopia

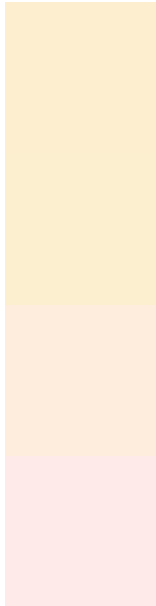
85.1006, 86.7970, 84.9413



## Tritanopia

87.3222, 86.3151, 100.8650

# Trichromacy



## Original Color

82.4677, 86.5858, 72.0407

## Protanomaly

82.3966, 86.9825, 72.1210

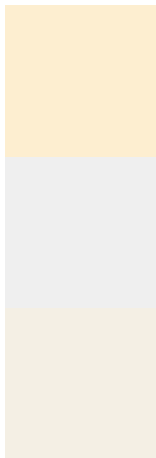
## Deuteranomaly

84.0755, 86.8065, 80.0342

## Tritanomaly

85.2894, 86.3707, 89.2668

# Monochromacy



## Original Color

82.4677, 86.5858, 72.0407

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.1783, 86.5675, 85.7767

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4677, 86.5858, 72.0407 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, 238, 208)` looks like.

```
.text, #text, p{  
    color:rgb(253, 238, 208)  
}
```

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, 238, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 238, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4677, 86.5858, 72.0407 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, 238, 208) }
```



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

```
.border{ border-color:rgb(253, 238, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 238, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 238, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 238, 208);  
box-shadow:4px 4px 4px 4px rgb(253, 238,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.4677, 86.5858, 72.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 238, 208) }
```

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

```
.background{ background-color: rgb(253,  
238, 208) }
```

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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