

# Converting Colors

XYZ(85.1888, 87.5434, 83.2134)

Have a look what the booklet for  
XYZ(85.1888, 87.5434, 83.2134)  
contains.

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# Color

**XYZ(85.2691, 87.7909,  
82.9722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEEE
RGB	255, 238, 224
RGB Percent	100%, 93%, 88%
CMY	0.0000, 0.0666, 0.1216
CMYK	0.00, 0.07, 0.12, 0.00
HSL	27°, 100%, 94%
HSV	27°, 12%, 100%
XYZ	85.2691, 87.7909, 82.9722
YIQ	241.4870, 14.6260, -0.7500

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 250, 224
Decimal	16772832
CIE Lab	95.07, 3.47, 8.83
CIE LCh	95, 9.483, 68.549
Yxy	87.7909, 0.3330, 0.3429
Android (android.graphics.Color)	4294962912 (0xFFFFEEE0)
YUV	241.4870, -8.6211, 11.8509
Hunter-Lab	93.6968, -1.5248, 13.0841

# Details

The XYZ color **85.2691, 87.7909, 82.9722** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2450, 85.9756, 106.9733**, and the grayscale version is **84.0524, 88.4297, 96.2999**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1781, 48.3262, 44.3775** is the 20% darker color. If you saturate the color by 10%, you get **78.1538, 78.6860, 64.7988**, and if you desaturate by 10%, it is **93.2232, 97.7428, 103.9863**.

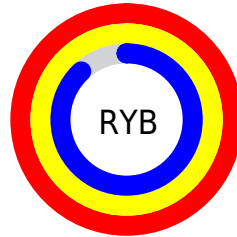
# Distribution



Red (100%)

Green (93%)

Blue (88%)



Red (100%)

Yellow (98%)

Blue (88%)



Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2691, 87.7909, 82.9722 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 85.2691, 87.7909, 82.9722 by changing the saturation by 10% instead.




 85.2691, 87.7909,  
82.9722

 85.2691, 87.7909,  
82.9722


500.9884,  
520.8182, 524.8624

 64.3870, 66.1499,  
61.6267


139.6612,  
144.2660, 139.3854

 47.2270, 48.3941,  
44.2973

173.9019,  
179.8689, 175.2902

 33.4239, 34.1391,  
30.5654


213.3261,  
220.8946, 216.8853

 22.6121, 23.0005,  
20.0125

258.2993,  
267.7274, 264.5891

 14.4265, 14.5939,  
12.2199

309.1867,  
320.7518, 318.8201

 8.5016, 8.5348,  
6.7693

366.3538,

 4.4720, 4.4390,

380.3521, 379.9970

3.2420

430.1659,  
446.9128, 448.5383

■ 1.9725, 1.9221,  
1.2195

■ 0.6184, 0.5616,  
0.0000

■ 85.2691, 87.7909,  
82.9722

■ 85.2691, 87.7909,  
82.9722

■ 78.1538, 78.6860,  
64.7988

■ 93.2232, 97.7428,  
103.9863

■ 71.8412, 70.3936,  
49.3369

95.0500, 100.0000,  
108.9000

■ 66.3011, 62.8926,  
36.4557

■ 61.4989, 56.1570,  
26.0110

■ 57.3971, 50.1590,  
17.8443

■ 53.9542, 44.8686,  
11.7783

■ 51.1232, 40.2531,  
7.6087

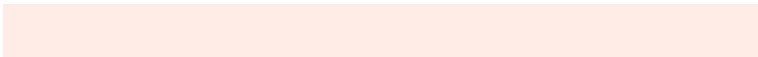
■ 48.8488, 36.2756,  
5.0892

■ 47.3940, 33.5681,  
3.9813

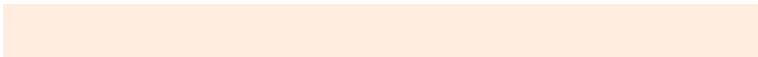
# Harmonies

## Analogous

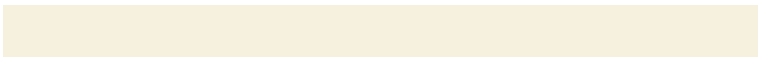
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3809, 87.7909, 87.0100



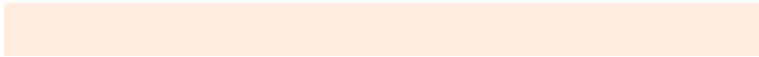
85.2691, 87.7909, 82.9722



82.7077, 87.7909, 82.2230

# Triad

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



85.2691, 87.7909, 82.9722



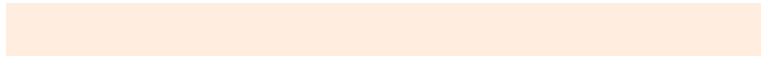
78.6347, 87.7909, 97.7160



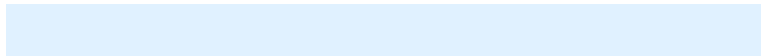
86.5710, 87.7909, 107.1310

# Complementary

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



85.2691, 87.7909, 82.9722



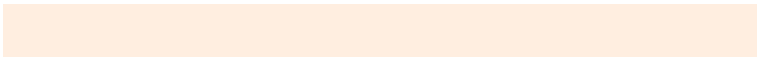
80.2450, 85.9756, 106.9733

# Split Complementary

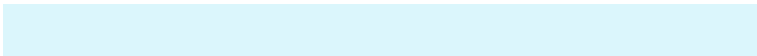
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1819, 87.7909, 110.3311



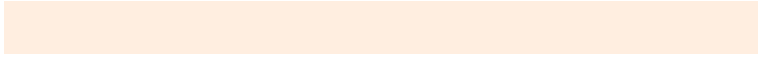
85.2691, 87.7909, 82.9722



79.6245, 87.7909, 104.7149

# Square

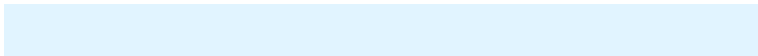
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2691, 87.7909, 82.9722



78.9122, 87.7909, 90.4896



81.6424, 87.7909, 109.4249

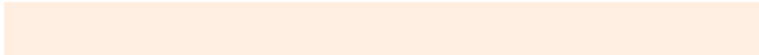


88.1432, 87.7909, 100.8772



# Rectangle

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



85.2691, 87.7909, 82.9722



81.0953, 87.7909, 83.6502



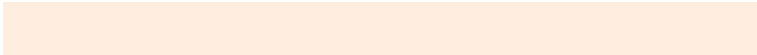
81.6424, 87.7909, 109.4249



85.8348, 87.7909, 108.6138

# Sweetspot

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



85.2711, 87.7946, 82.9741



91.6929, 95.8443, 99.8933



83.7809, 80.9262, 94.4635



19.4942, 20.3506, 21.0300



0.0000, 0.0000, 0.0000

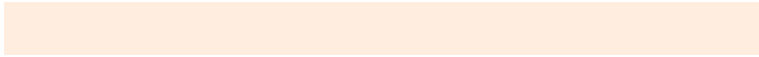


20.3446, 21.4041, 23.3091

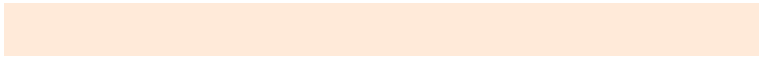


# Same Dimension

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



85.2711, 87.7946, 82.9741



83.1634, 85.1198, 77.5219



89.9623, 97.1770, 84.5378



18.6852, 19.3386, 18.8922



24.9088, 17.8289, 2.1285

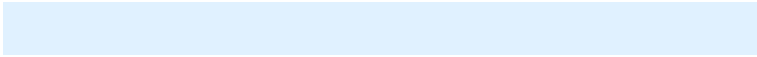


2.5326, 1.9506, 0.2430

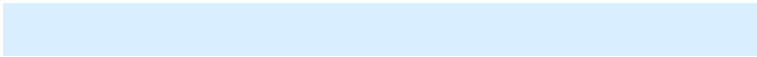


# Inverse Universe

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



80.2450, 85.9756, 106.9733



77.0839, 82.9192, 106.5500



75.8656, 77.2168, 105.5135



17.8285, 19.0285, 22.9832



14.4675, 13.8446, 51.3443

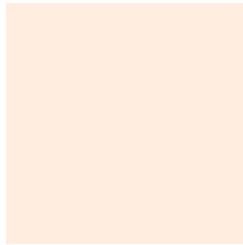


1.5178, 1.5664, 5.0356



# Previews

## White Background



This preview shows how the XYZ color 85.2691, 87.7909, 82.9722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

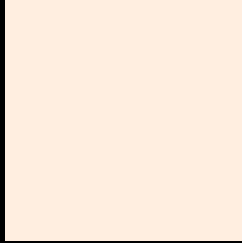
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.2691, 87.7909, 82.9722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

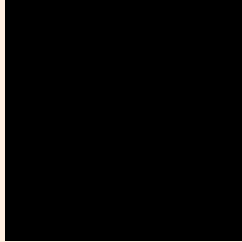
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.2691, 87.7909, 82.9722

## Background



This preview shows how black text looks on a background with the XYZ color 85.2691, 87.7909, 82.9722.



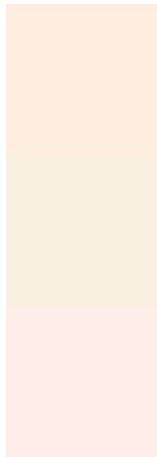
This preview shows how white text looks on a background with the XYZ color 85.2691, 87.7909,

82.9722.

# 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

85.2691, 87.7909, 82.9722

### Protanopia

83.8176, 87.8962, 83.7822

### Deuteranopia

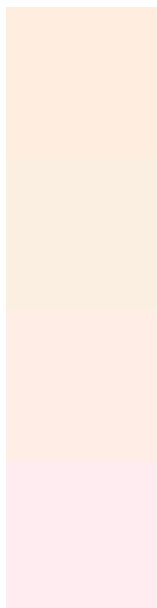
86.3755, 87.7689, 90.2305



## Tritanopia

88.2036, 87.5788, 102.6980

# Trichromacy



## Original Color

85.2691, 87.7909, 82.9722

## Protanomaly

84.2408, 87.6785, 83.7178

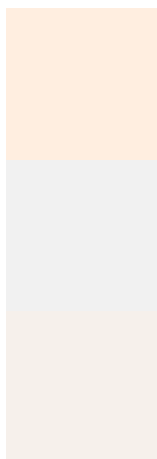
## Deuteranomaly

85.8071, 87.5415, 87.2376

## Tritanomaly

87.1126, 87.6018, 95.5366

# Monochromacy



## Original Color

85.2691, 87.7909, 82.9722

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.1615, 87.9112, 91.1300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.2691, 87.7909, 82.9722 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, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 85.2691, 87.7909, 82.9722 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, 224) }
```



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

```
.border{ border-color:rgb(255, 238, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.2691, 87.7909, 82.9722 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
238, 224) }
```

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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