

# Converting Colors

XYZ(82.9093, 85.9898, 85.4841)

Have a look what the booklet for  
XYZ(82.9093, 85.9898, 85.4841)  
contains.

<b>XYZ(82.9992, 86.1263, 85.6483)</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(82.9992, 86.1263,  
85.6483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8EDE4
RGB	248, 237, 228
RGB Percent	97%, 93%, 89%
CMY	0.0274, 0.0706, 0.1059
CMYK	0.00, 0.04, 0.08, 0.03
HSL	27°, 59%, 93%
HSV	27°, 8%, 97%
XYZ	82.9992, 86.1263, 85.6483
YIQ	239.2630, 9.4450, -0.4670

# Conversions

## Conversions Part 2

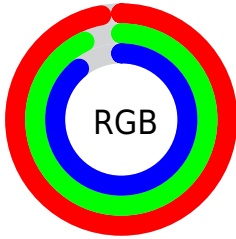
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 244, 228
Decimal	16313828
CIE Lab	94.37, 2.20, 5.67
CIE LCh	94, 6.076, 68.814
Yxy	86.1263, 0.3258, 0.3381
Android (android.graphics.Color)	4294503908 (0xFFF8EDE4)
YUV	239.2630, -5.5527, 7.6623
Hunter-Lab	92.8043, -2.7665, 10.2447

# Details

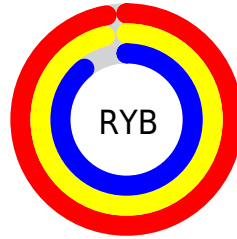
The XYZ color **82.9992, 86.1263, 85.6483** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.8045, 85.0028, 101.0090**, and the grayscale version is **82.2877, 86.5731, 94.2781**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8049, 47.2713, 46.2453** is the 20% darker color. If you saturate the color by 10%, you get **76.0024, 77.2522, 67.5314**, and if you desaturate by 10%, it is **90.7949, 95.8058, 106.4701**.

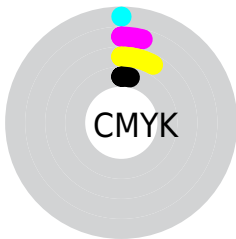
# Distribution



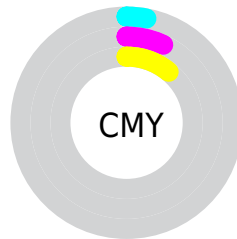
- Red (97%)
- Green (93%)
- Blue (89%)



- Red (97%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (3%)




- Cyan (3%)
- Magenta (7%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9992, 86.1263, 85.6483 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 82.9992, 86.1263, 85.6483 by changing the saturation by 10% instead.




 82.9992, 86.1263,  
85.6483

 82.9992, 86.1263,  
85.6483


493.5678,  
515.3476, 533.9712

 62.5064, 64.7724,  
63.8240


136.5029,  
141.9457, 143.1608

 45.6992, 47.2766,  
46.0628


170.2445,  
177.1801, 179.6860

 32.2121, 33.2543,  
31.9464


209.1330,  
217.8100, 221.9486

 21.6799, 22.3214,  
21.0561

253.5339,  
264.2199, 270.3672

 13.7372, 14.0932,  
12.9734

303.8125,  
316.7943, 325.3601

 8.0186, 8.1855,  
7.2797

360.3341,

 4.1587, 4.2139,

375.9174, 387.3461

3.5565

423.4641,  
441.9737, 456.7436

■ 1.7923, 1.7939,  
1.3854

■ 0.5130, 0.4834,  
0.1303

■ 82.9992, 86.1263,  
85.6483

■ 82.9992, 86.1263,  
85.6483

■ 76.0024, 77.2522,  
67.5314

■ 90.7949, 95.8058,  
106.4701

■ 69.7698, 69.1507,  
52.0013

■ 92.5218, 98.6967,  
108.7817

■ 64.2745, 61.8027,  
38.9395

■ 59.4851, 55.1844,  
28.2161

■ 55.3676, 49.2703,  
19.6889

■ 51.8850, 44.0332,  
13.2002

■ 48.9955, 39.4436,  
8.5706

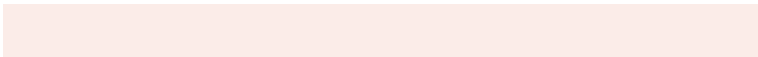
■ 46.6512, 35.4686,  
5.5891

■ 44.7889, 32.0687,  
3.9671

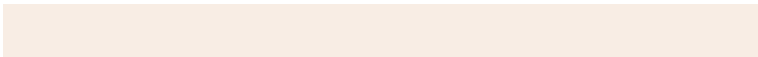
# Harmonies

## Analogous

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



84.3287, 86.1263, 88.2586



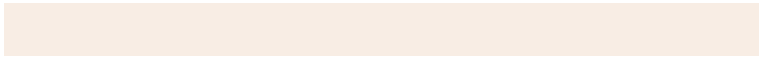
82.9992, 86.1263, 85.6483



81.3808, 86.1263, 85.1775

# Triad

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



82.9992, 86.1263, 85.6483



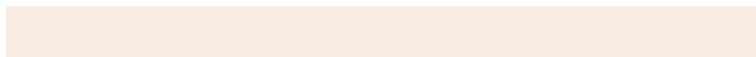
78.8000, 86.1263, 95.1600



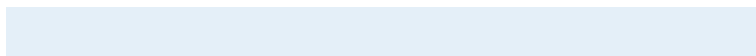
83.8422, 86.1263, 100.9515

# Complementary

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



82.9992, 86.1263, 85.6483



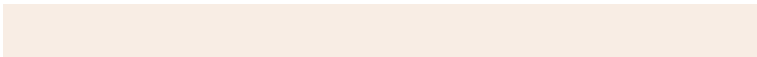
79.8045, 85.0028, 101.0090

# 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.



82.3420, 86.1263, 102.9364



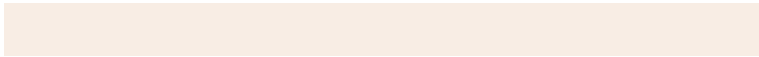
82.9992, 86.1263, 85.6483



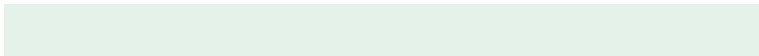
79.4408, 86.1263, 99.5206

# Square

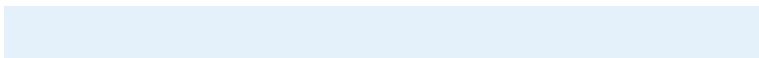
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9992, 86.1263, 85.6483



78.9707, 86.1263, 90.5680



80.7322, 86.1263, 102.4042

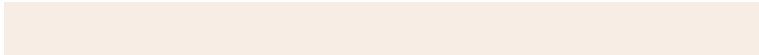


84.8199, 86.1263, 97.0607



# Rectangle

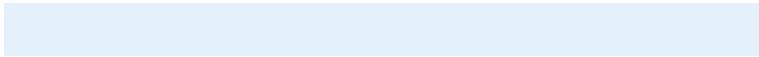
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9992, 86.1263, 85.6483



80.3581, 86.1263, 86.1246



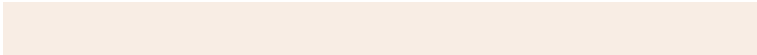
80.7322, 86.1263, 102.4042



83.3815, 86.1263, 101.8696

# Sweetspot

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



83.0016, 86.1301, 85.6502



93.3517, 97.8999, 104.3367



82.0359, 81.6765, 93.1039



19.9989, 20.9767, 22.3801



0.0000, 0.0000, 0.0000

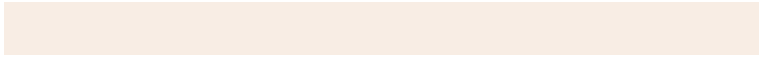


20.3446, 21.4041, 23.3091

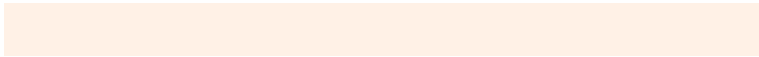


# Same Dimension

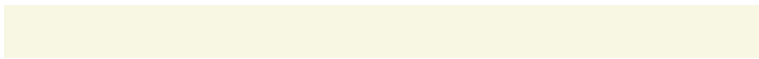
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0016, 86.1301, 85.6502



86.9024, 89.8443, 87.2567



85.9768, 92.0805, 86.6419



17.8881, 18.5121, 18.0928



24.1571, 17.2708, 2.0604

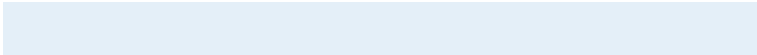


2.3416, 1.8080, 0.2256

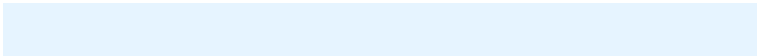


# Inverse Universe

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



79.8045, 85.0028, 101.0090



82.7291, 88.3728, 107.3051



76.9587, 79.3112, 100.0604



17.0741, 18.2251, 22.0032



14.0772, 13.5099, 49.8393

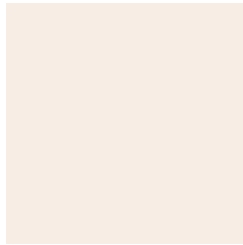


1.4097, 1.4630, 4.6513



# Previews

## White Background



This preview shows how the XYZ color 82.9992, 86.1263, 85.6483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

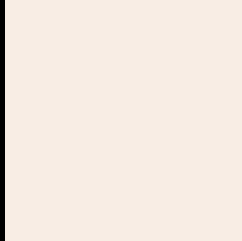
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.9992, 86.1263, 85.6483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

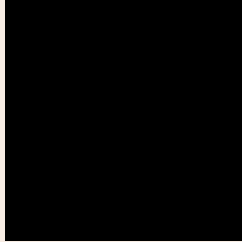
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

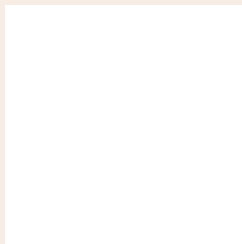
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.9992, 86.1263, 85.6483

## Background



This preview shows how black text looks on a background with the XYZ color 82.9992, 86.1263, 85.6483.



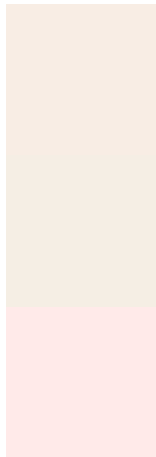
This preview shows how white text looks on a background with the XYZ color 82.9992, 86.1263,

85.6483.

# 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

82.9992, 86.1263, 85.6483

### Protanopia

82.2343, 86.1630, 85.6957

### Deuteranopia

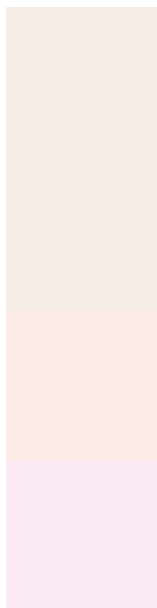
85.3708, 85.9888, 89.1888



## Tritanopia

86.4933, 85.8153, 104.1008

# Trichromacy



## Original Color

82.9992, 86.1263, 85.6483

## Protanomaly

82.5842, 86.3433, 85.7121

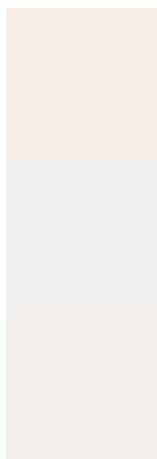
## Deuteranomaly

84.2770, 85.8816, 87.7362

## Tritanomaly

85.0248, 85.6407, 96.8430

# Monochromacy



## Original Color

82.9992, 86.1263, 85.6483

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.1879, 86.0245, 90.8699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9992, 86.1263, 85.6483 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(248, 237, 228) looks like.

```
.text, #text, p{  
    color:rgb(248, 237, 228)  
}
```

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(248, 237, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 237, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9992, 86.1263, 85.6483 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(248, 237, 228) }
```



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

```
.border{ border-color:rgb(248, 237, 228) }
```

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

Here you see how a box with a 4 pixel rgb(248, 237, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 237, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 237, 228);  
box-shadow:4px 4px 4px 4px rgb(248, 237,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9992, 86.1263, 85.6483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 237, 228) }
```

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

```
.background{ background-color: rgb(248,  
237, 228) }
```

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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