

# Converting Colors

XYZ(83.0756, 86.7751, 76.3798)

Have a look what the booklet for  
XYZ(83.0756, 86.7751, 76.3798)  
contains.

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# Color

**XYZ(82.9852, 86.7508,  
76.6608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCEED7
RGB	252, 238, 215
RGB Percent	99%, 93%, 84%
CMY	0.0118, 0.0666, 0.1569
CMYK	0.00, 0.06, 0.15, 0.01
HSL	37°, 86%, 92%
HSV	37°, 15%, 99%
XYZ	82.9852, 86.7508, 76.6608
YIQ	239.5640, 15.7270, -4.1850

# Conversions

## Conversions Part 2

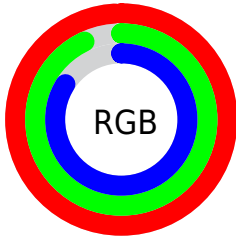
Format	Color
R <sub>Y</sub> B	238, 252, 215
Decimal	16576215
CIE Lab	94.63, 1.02, 12.82
CIE LCh	95, 12.862, 85.444
Yxy	86.7508, 0.3368, 0.3521
Android (android.graphics.Color)	4294766295 (0xFFFCCEED7)
YUV	239.5640, -12.1101, 10.9064
Hunter-Lab	93.1401, -3.9567, 16.3983

# Details

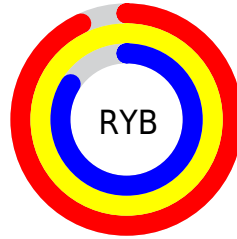
The XYZ color **82.9852, 86.7508, 76.6608** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.6142, 77.5126, 103.1779**, and the grayscale version is **82.5687, 86.8687, 94.6000**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5788, 47.5961, 40.0424** is the 20% darker color. If you saturate the color by 10%, you get **77.2919, 80.1527, 59.9990**, and if you desaturate by 10%, it is **89.3290, 93.8500, 96.0022**.

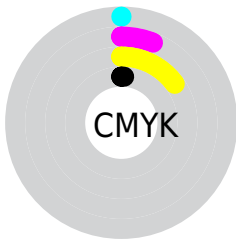
# Distribution



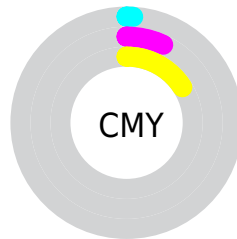
- Red (99%)
- Green (93%)
- Blue (84%)



- Red (93%)
- Yellow (99%)
- Blue (84%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (1%)




- Cyan (1%)
- Magenta (7%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9852, 86.7508, 76.6608 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 82.9852, 86.7508, 76.6608 by changing the saturation by 10% instead.




 82.9852, 86.7508,  
76.6608

 82.9852, 86.7508,  
76.6608

493.5219,  
517.4036, 503.0137

 62.4948, 65.2890,  
56.4646


136.4834,  
142.8167, 130.4292

 45.6897, 47.6955,  
40.1691


170.2219,  
178.1897, 164.8385

 32.2047, 33.5858,  
27.3556


209.1071,  
218.9685, 204.8226

 21.6742, 22.5756,  
17.6057

253.5044,  
265.5375, 250.8000

 13.7329, 14.2804,  
10.5008

303.7792,  
318.2811, 303.1892

 8.0156, 8.3160,  
5.6223

360.2968,

 4.1568, 4.2978,

377.5837, 362.4089

2.5518

423.4226,  
443.8298, 428.8775

■ 1.7912, 1.8415,  
0.8674

■ 0.5124, 0.5128,  
0.0000

■ 82.9852, 86.7508,  
76.6608

■ 82.9852, 86.7508,  
76.6608

■ 77.2919, 80.1527,  
59.9990

■ 89.3290, 93.8500,  
96.0022

■ 72.2170, 74.0306,  
45.8906

■ 93.9553, 99.4356,  
108.8488

■ 67.7361, 68.3740,  
34.2076

■ 63.8201, 63.1673,  
24.8086

■ 60.4370, 58.3941,  
17.5373

■ 57.5512, 54.0359,  
12.2176

■ 55.1212, 50.0721,  
8.6447

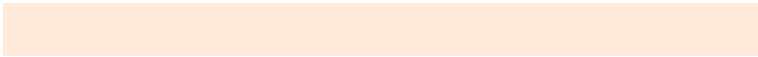
■ 53.0969, 46.4786,  
6.5672

■ 52.1484, 44.7020,  
5.8798

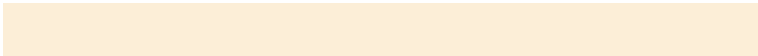
# Harmonies

## Analogous

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



86.2967, 86.7508, 79.5778



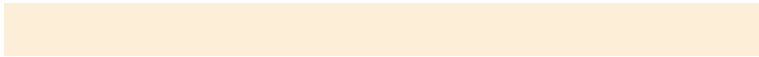
82.9852, 86.7508, 76.6608



79.6207, 86.7508, 78.2314

# Triad

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



82.9852, 86.7508, 76.6608



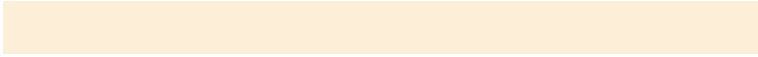
76.5747, 86.7508, 102.9063



88.0719, 86.7508, 105.7152

# Complementary

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



82.9852, 86.7508, 76.6608



73.6142, 77.5126, 103.1779

# Split Complementary

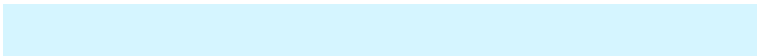
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3538, 86.7508, 112.7837



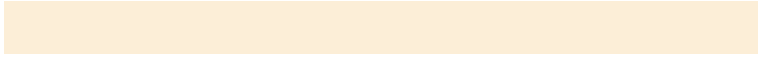
82.9852, 86.7508, 76.6608



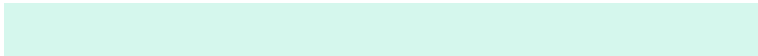
78.7272, 86.7508, 111.0838

# Square

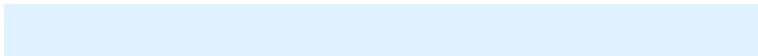
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9852, 86.7508, 76.6608



75.9803, 86.7508, 92.9470



81.9251, 86.7508, 114.8137



89.2854, 86.7508, 95.9830

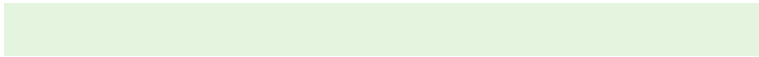


# Rectangle

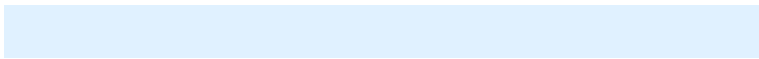
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9852, 86.7508, 76.6608



77.7906, 86.7508, 81.6747



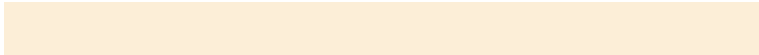
81.9251, 86.7508, 114.8137



87.3002, 86.7508, 108.5076

# Sweetspot

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



82.9875, 86.7546, 76.6626



92.2324, 96.9234, 100.0731



78.6149, 74.9649, 84.5904



19.6308, 20.6237, 21.0755



0.0000, 0.0000, 0.0000

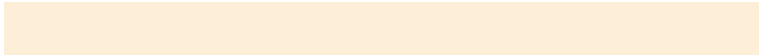


20.3446, 21.4041, 23.3091

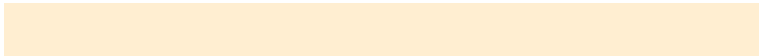


# Same Dimension

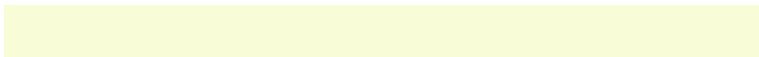
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9875, 86.7546, 76.6626



83.2303, 86.8071, 72.7553



85.6763, 94.4267, 78.0018



18.1436, 19.0231, 18.1779



27.3110, 23.5787, 3.1117



2.6316, 2.3880, 0.3222



# Inverse Universe

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



73.6142, 77.5126, 103.1779



71.6949, 75.4341, 105.3892



71.1811, 70.7397, 101.9988



16.8210, 17.7189, 21.9188



11.4300, 8.2155, 48.9569

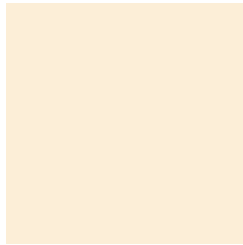


1.1571, 0.9578, 4.5671



# Previews

## White Background



This preview shows how the XYZ color 82.9852, 86.7508, 76.6608 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 82.9852, 86.7508, 76.6608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

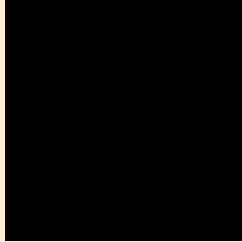
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.9852, 86.7508, 76.6608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.9852, 86.7508, 76.6608.



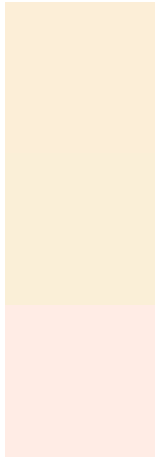
This preview shows how white text looks on a background with the XYZ color 82.9852, 86.7508,

76.6608.

# 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

82.9852, 86.7508, 76.6608

### Protanopia

82.5566, 86.9633, 76.7244

### Deuteranopia

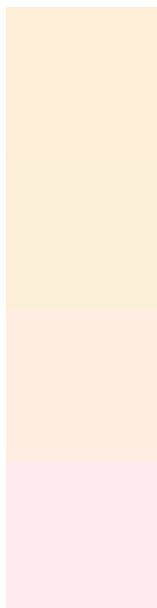
85.3783, 86.9080, 86.4038



## Tritanopia

87.9181, 87.0078, 102.6029

# Trichromacy



## Original Color

82.9852, 86.7508, 76.6608

## Protanomaly

82.9159, 87.1485, 76.7412

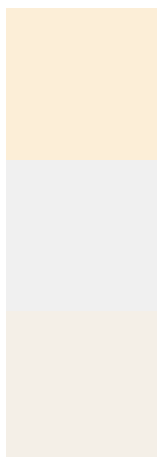
## Deuteranomaly

84.6118, 87.0210, 82.8582

## Tritanomaly

85.8674, 86.6019, 92.3109

# Monochromacy



## Original Color

82.9852, 86.7508, 76.6608

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.5985, 86.7356, 87.9895

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9852, 86.7508, 76.6608 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(252, 238, 215) looks like.

```
.text, #text, p{  
    color:rgb(252, 238, 215)  
}
```

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(252, 238, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 238, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9852, 86.7508, 76.6608 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(252, 238, 215) }
```



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

```
.border{ border-color:rgb(252, 238, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 238, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 238, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 238, 215);  
box-shadow:4px 4px 4px 4px rgb(252, 238,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9852, 86.7508, 76.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 238, 215) }
```

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

```
.background{ background-color: rgb(252,  
238, 215) }
```

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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