

# Converting Colors

XYZ(88.6938, 91.4272, 85.9062)

Have a look what the booklet for  
XYZ(88.6938, 91.4272, 85.9062)  
contains.

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# Color

**XYZ(86.8573, 90.3103,  
85.5268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2E3
RGB	255, 242, 227
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0510, 0.1098
CMYK	0.00, 0.05, 0.11, 0.00
HSL	32°, 100%, 95%
HSV	32°, 11%, 100%
XYZ	86.8573, 90.3103, 85.5268
YIQ	244.1770, 12.5630, -1.9090

# Conversions

## Conversions Part 2

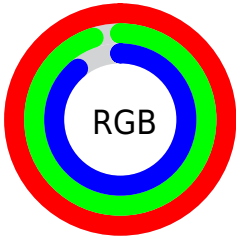
<b>Format</b>	<b>Color</b>
RYB	251, 255, 227
Decimal	16773859
CIELab	96.13, 1.91, 8.79
CIElCh	96, 8.990, 77.753
Yxy	90.3103, 0.3306, 0.3438
Android (android.graphics.Color)	4294963939 (0xFFFFF2E3)
YUV	244.1770, -8.4683, 9.4918
Hunter-Lab	95.0317, -3.1597, 13.1623

# Details

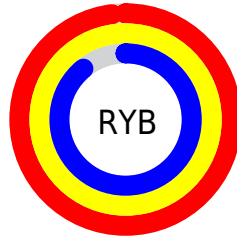
The XYZ color **86.8573, 90.3103, 85.5268** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8879, 85.8688, 106.9188**, and the grayscale version is **86.1912, 90.6798, 98.7503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2940, 50.1021, 46.1550** is the 20% darker color. If you saturate the color by 10%, you get **80.1864, 82.1899, 67.2063**, and if you desaturate by 10%, it is **94.2816, 99.1026, 106.6725**.

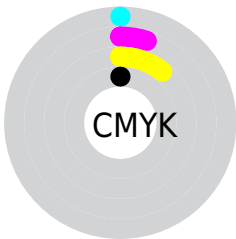
# Distribution



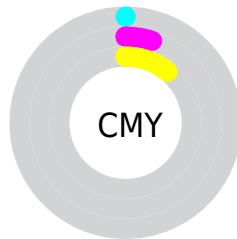
- Red (100%)
- Green (95%)
- Blue (89%)



- Red (98%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (5%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8573, 90.3103, 85.5268 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 86.8573, 90.3103, 85.5268 by changing the saturation by 10% instead.




 86.8573, 90.3103,  
85.5268

 86.8573, 90.3103,  
85.5268


506.1454,  
529.0397, 533.5596

 65.7048, 68.2380,  
63.7241


141.8659,  
147.7693, 142.9897

 48.2996, 50.0914,  
45.9825


176.4527,  
183.9249, 179.4869

 34.2764, 35.4860,  
31.8834


216.2483,  
225.5437, 221.7194

 23.2699, 24.0375,  
21.0084

261.6180,  
273.0101, 270.1057

 14.9147, 15.3615,  
12.9388

312.9272,  
326.7085, 325.0643

 8.8455, 9.0735,  
7.2562

370.5413,

 4.6968, 4.7891,

387.0233, 387.0138

3.5420

434.8256,  
454.3389, 456.3727

■ 2.1034, 2.1241,  
1.3776

■ 0.6911, 0.6781,  
0.1242

■ 86.8573, 90.3103,  
85.5268

■ 86.8573, 90.3103,  
85.5268

■ 80.1864, 82.1899,  
67.2063

94.2816, 99.1026,  
106.6725

■ 74.2356, 74.7125,  
51.5835

95.0500, 100.0000,  
108.9000

■ 68.9780, 67.8632,  
38.5298

■ 64.3826, 61.6224,  
27.9036

■ 60.4154, 55.9689,  
19.5494

■ 57.0388, 50.8799,  
13.2934

■ 54.2104, 46.3305,  
8.9364

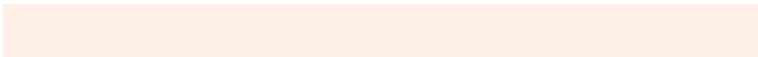
■ 51.8798, 42.2921,  
6.2395

■ 50.1367, 39.0534,  
4.8956

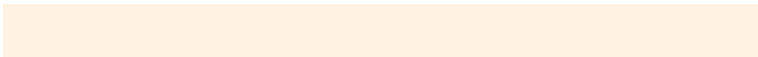
# Harmonies

## Analogous

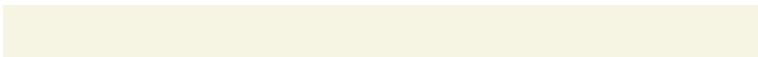
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0981, 90.3103, 88.5234



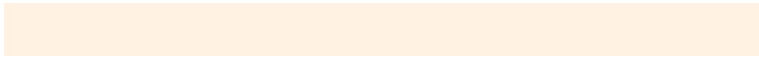
86.8573, 90.3103, 85.5268



84.3850, 90.3103, 85.8380

# Triad

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



86.8573, 90.3103, 85.5268



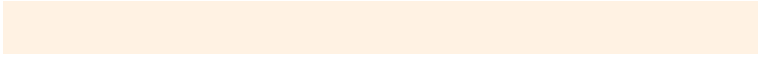
81.3558, 90.3103, 102.5750



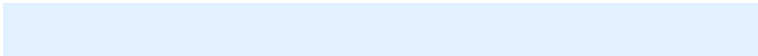
89.4320, 90.3103, 107.8468

# Complementary

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



86.8573, 90.3103, 85.5268



80.8879, 85.8688, 106.9188

# Split Complementary

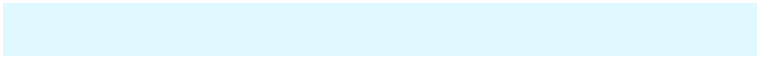
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3060, 90.3103, 111.9844



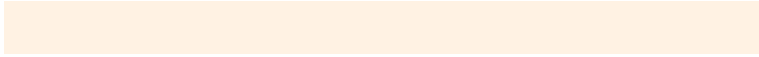
86.8573, 90.3103, 85.5268



82.6570, 90.3103, 108.8409

# Square

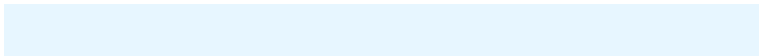
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8573, 90.3103, 85.5268



81.2409, 90.3103, 95.4513



84.8252, 90.3103, 112.3567

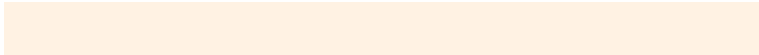


90.6037, 90.3103, 101.2713



# Rectangle

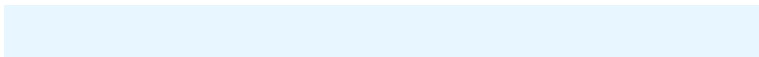
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8573, 90.3103, 85.5268



82.9378, 90.3103, 87.8803



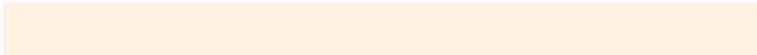
84.8252, 90.3103, 112.3567



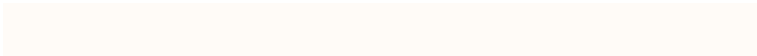
88.8034, 90.3103, 109.5824

# Sweetspot

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



86.8593, 90.3140, 85.5287



92.7204, 97.2727, 102.1677



84.4478, 82.4944, 93.9629



19.7152, 20.6665, 21.4925



0.0000, 0.0000, 0.0000

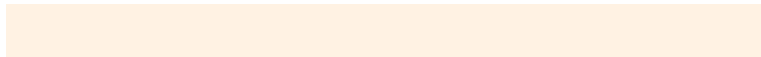


20.3446, 21.4041, 23.3091

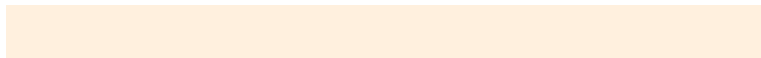


# Same Dimension

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



86.8593, 90.3140, 85.5287



85.4516, 88.6197, 81.6034



90.5229, 98.1496, 86.8480



18.8156, 19.5994, 18.9357



26.3486, 20.7084, 2.6084

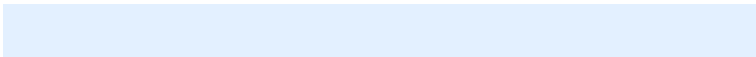


2.6749, 2.2351, 0.2904

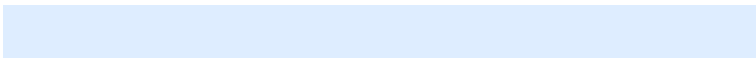


# Inverse Universe

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



80.8879, 85.8688, 106.9188



78.4805, 83.4304, 106.5750



77.4939, 78.6425, 105.7029



17.6978, 18.7673, 22.9396



12.9838, 10.8773, 50.8498

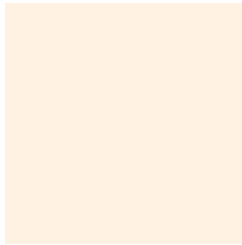


1.3722, 1.2751, 4.9871



# Previews

## White Background



This preview shows how the XYZ color 86.8573, 90.3103, 85.5268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

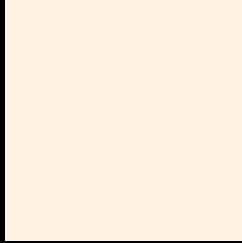
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.8573, 90.3103, 85.5268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

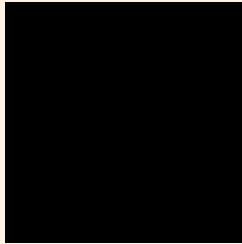
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.8573, 90.3103, 85.5268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.8573, 90.3103, 85.5268.



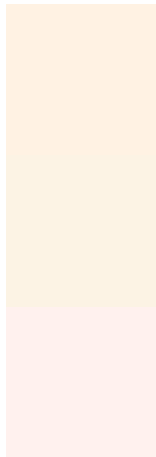
This preview shows how white text looks on a background with the XYZ color 86.8573, 90.3103,

85.5268.

# 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

86.8573, 90.3103, 85.5268

### Protanopia

86.1991, 90.3981, 86.3042

### Deuteranopia

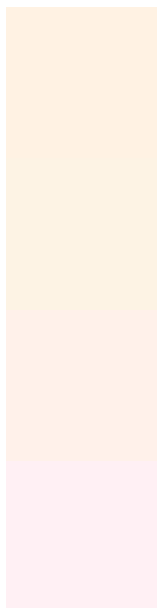
88.1279, 90.3436, 93.6821



## Tritanopia

89.8361, 90.0849, 105.5817

# Trichromacy



## Original Color

86.8573, 90.3103, 85.5268

## Protanomaly

86.5622, 90.5853, 86.3212

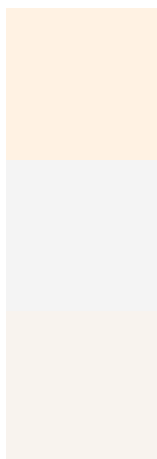
## Deuteranomaly

87.5466, 90.1111, 90.6209

## Tritanomaly

88.7292, 90.1118, 98.3047

# Monochromacy



## Original Color

86.8573, 90.3103, 85.5268

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.1946, 90.2307, 93.7622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.8573, 90.3103, 85.5268 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, 242, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 227)  
}
```

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, 242, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 86.8573, 90.3103, 85.5268 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, 242, 227) }
```



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

```
.border{ border-color:rgb(255, 242, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.8573, 90.3103, 85.5268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 227) }
```

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

```
.background{ background-color: rgb(255,  
242, 227) }
```

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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