

# Converting Colors

XYZ(101.3046, 100.0000,  
85.6433)

Have a look what the booklet for  
XYZ(101.3046, 100.0000, 85.6433)  
contains.

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# Color

**XYZ(88.2282, 93.2725,  
85.3048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7E2
RGB	255, 247, 226
RGB Percent	100%, 97%, 89%
CMY	0.0000, 0.0313, 0.1137
CMYK	0.00, 0.03, 0.11, 0.00
HSL	43°, 100%, 94%
HSV	43°, 11%, 100%
XYZ	88.2282, 93.2725, 85.3048
YIQ	246.9980, 11.5090, -4.8350

# Conversions

## Conversions Part 2

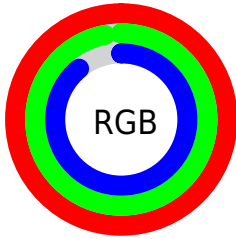
Format	Color
R <sub>Y</sub> B	237, 255, 226
Decimal	16775138
CIE Lab	97.34, -0.78, 11.04
CIE LCh	97, 11.063, 94.048
Yxy	93.2725, 0.3307, 0.3496
Android (android.graphics.Color)	4294965218 (0xFFFFF7E2)
YUV	246.9980, -10.3520, 7.0178
Hunter-Lab	96.5777, -5.9429, 15.2349

# Details

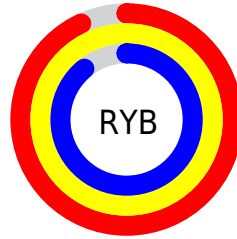
The XYZ color **88.2282, 93.2725, 85.3048** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8362, 82.2322, 106.3250**, and the grayscale version is **88.4834, 93.0914, 101.3765**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.2702, 52.2076, 46.0083** is the 20% darker color. If you saturate the color by 10%, you get **82.8773, 87.7601, 67.5229**, and if you desaturate by 10%, it is **94.1850, 99.1630, 105.8584**.

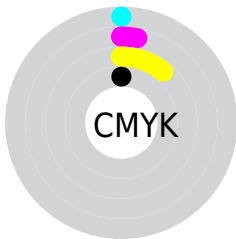
# Distribution



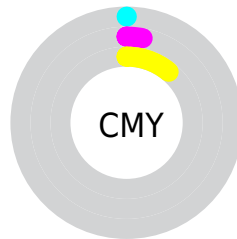
- Red (100%)
- Green (97%)
- Blue (89%)



- Red (93%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.2282, 93.2725, 85.3048 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 88.2282, 93.2725, 85.3048 by changing the saturation by 10% instead.



88.2282, 93.2725,  
85.3048

88.2282, 93.2725,  
85.3048

510.5745,  
538.6197, 532.8070

66.8435, 70.6980,  
63.5417

143.7657,  
151.8758, 142.6769

49.2277, 52.0958,  
45.8357

178.6492,  
188.6735, 179.1229

35.0154, 37.0814,  
31.7685

218.7631,  
230.9809, 221.3003

23.8413, 25.2705,  
20.9214

264.4726,  
279.1826, 269.6277

15.3400, 16.2787,  
12.8759

316.1431,  
333.6630, 324.5234

9.1462, 9.7216,  
7.2134

374.1401,

4.8946, 5.2148,

394.8063, 386.4062

3.5154

438.8287,  
462.9971, 455.6946

■ 2.2197, 2.3738,  
1.3635

■ 0.7531, 0.8124,  
0.1130

■ 88.2282, 93.2725,  
85.3048

■ 88.2282, 93.2725,  
85.3048

■ 82.8773, 87.7601,  
67.5229

■ 94.1850, 99.1630,  
105.8584

■ 78.1020, 82.6032,  
52.3860

■ 95.0500, 100.0000,  
108.9000

■ 73.8790, 77.7940,  
39.7662

■ 70.1806, 73.3201,  
29.5227

■ 66.9766, 69.1678,  
21.5006

■ 64.2332, 65.3221,  
15.5266

■ 61.9116, 61.7660,  
11.4017

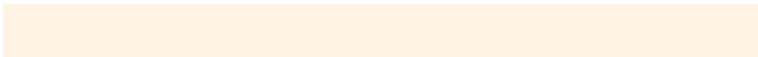
■ 59.9656, 58.4795,  
8.8863

■ 58.5274, 55.8347,  
7.6925

# Harmonies

## Analogous

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



91.3147, 93.2725, 86.8239



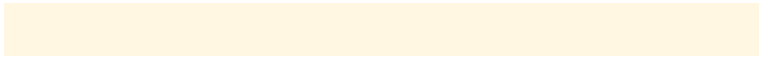
88.2282, 93.2725, 85.3048



85.3230, 93.2725, 87.9254

# Triad

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



88.2282, 93.2725, 85.3048



83.7553, 93.2725, 111.5251



94.1794, 93.2725, 109.2952

# Complementary

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



88.2282, 93.2725, 85.3048



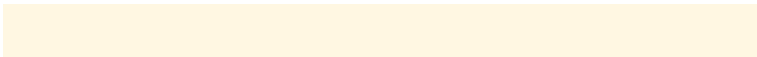
78.8362, 82.2322, 106.3250

# Split Complementary

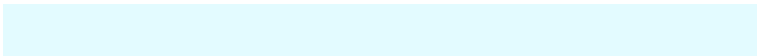
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0679, 93.2725, 116.5313



88.2282, 93.2725, 85.3048



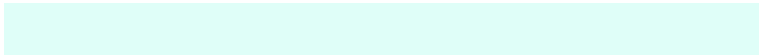
86.0430, 93.2725, 117.8710

# Square

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



88.2282, 93.2725, 85.3048



82.7794, 93.2725, 102.7805



89.0786, 93.2725, 119.7545



94.7975, 93.2725, 100.3450



# Rectangle

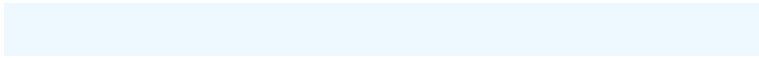
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.2282, 93.2725, 85.3048



83.8658, 93.2725, 91.7635



89.0786, 93.2725, 119.7545



93.6184, 93.2725, 112.0256

# Sweetspot

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



88.2304, 93.2764, 85.3068



93.1735, 98.1789, 102.3188



83.3195, 81.6068, 89.3665



19.8376, 20.9114, 21.5333



0.0000, 0.0000, 0.0000

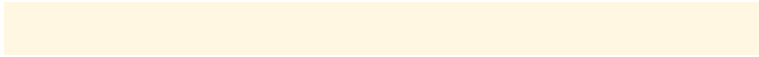


20.3446, 21.4041, 23.3091



# Same Dimension

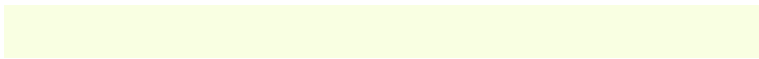
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2304, 93.2764, 85.3068



86.7662, 91.7912, 80.3695



88.4539, 97.0989, 86.0328



19.1130, 20.1942, 19.0348



30.7133, 29.4379, 4.0633



3.0820, 3.0494, 0.4262



# Inverse Universe

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



78.8362, 82.2322, 106.3250



75.4122, 78.4435, 105.7742



78.6181, 78.8173, 105.6774



17.4105, 18.1926, 22.8438



10.6919, 6.2935, 50.0858

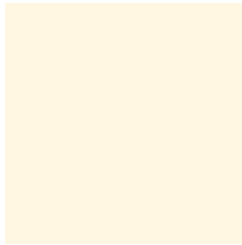


1.1278, 0.7862, 4.9056



# Previews

## White Background



This preview shows how the XYZ color 88.2282, 93.2725, 85.3048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

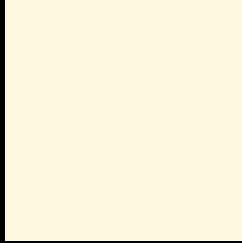
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.2282, 93.2725, 85.3048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

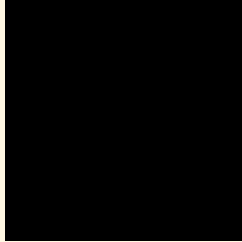
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.2282, 93.2725, 85.3048

## Background



This preview shows how black text looks on a background with the XYZ color 88.2282, 93.2725, 85.3048.



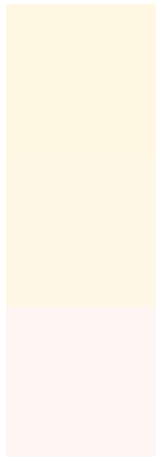
This preview shows how white text looks on a background with the XYZ color 88.2282, 93.2725,



# 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

88.2282, 93.2725, 85.3048

### Protanopia

88.7837, 93.4947, 88.2298

### Deuteranopia

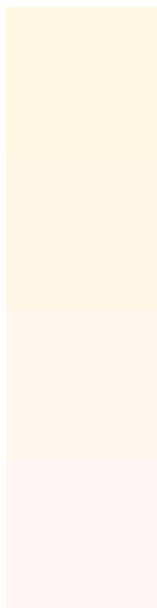
90.0701, 93.0359, 98.0045



## Tritanopia

91.2737, 92.9922, 107.7464

# Trichromacy



## Original Color

88.2282, 93.2725, 85.3048

## Protanomaly

88.6436, 93.4387, 87.4922

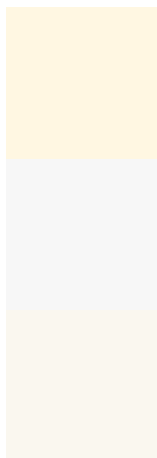
## Deuteranomaly

89.4818, 93.2860, 93.4106

## Tritanomaly

89.8546, 92.9073, 98.7850

# Monochromacy



## Original Color

88.2282, 93.2725, 85.3048

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.2651, 93.0775, 94.9750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.2282, 93.2725, 85.3048 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, 247, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 226)  
}
```

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, 247, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 88.2282, 93.2725, 85.3048 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, 247, 226) }
```



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

```
.border{ border-color:rgb(255, 247, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.2282, 93.2725, 85.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 226) }
```

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

```
.background{ background-color: rgb(255,  
247, 226) }
```

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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