

# Converting Colors

XYZ(87.6579, 93.0322, 82.3388)

Have a look what the booklet for  
XYZ(87.6579, 93.0322, 82.3388)  
contains.

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# Color

**XYZ(87.6856, 93.0555,  
82.4472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7DE
RGB	255, 247, 222
RGB Percent	100%, 97%, 87%
CMY	0.0000, 0.0313, 0.1294
CMYK	0.00, 0.03, 0.13, 0.00
HSL	45°, 100%, 94%
HSV	45°, 13%, 100%
XYZ	87.6856, 93.0555, 82.4472
YIQ	246.5420, 12.7930, -6.0790

# Conversions

## Conversions Part 2

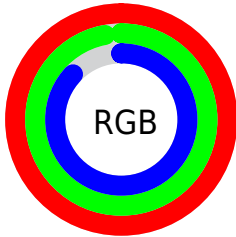
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 255, 222
Decimal	16775134
CIE Lab	97.25, -1.40, 12.97
CIE LCh	97, 13.042, 96.179
Yxy	93.0555, 0.3332, 0.3536
Android (android.graphics.Color)	4294965214 (0xFFFFF7DE)
YUV	246.5420, -12.0992, 7.4177
Hunter-Lab	96.4653, -6.5602, 16.8516

# Details

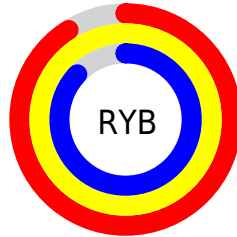
The XYZ color 87.6856, 93.0555, 82.4472 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 76.4703, 79.3410, 105.8917, and the grayscale version is 88.1260, 92.7154, 100.9671.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.8946, 52.0574, 44.0303 is the 20% darker color. If you saturate the color by 10%, you get 82.6658, 88.0778, 65.1683, and if you desaturate by 10%, it is 93.2893, 98.3730, 102.4733.

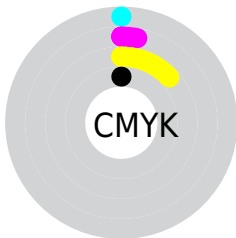
# Distribution



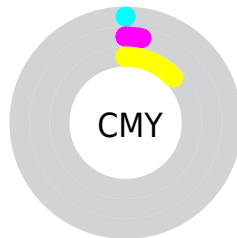
- Red (100%)
- Green (97%)
- Blue (87%)



- Red (91%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6856, 93.0555, 82.4472 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 87.6856, 93.0555, 82.4472 by changing the saturation by 10% instead.




 87.6856, 93.0555,  
82.4472

 87.6856, 93.0555,  
82.4472


508.8239,  
537.9210, 523.0650

 66.3926, 70.5176,  
61.1963

143.0141,  
151.5754, 138.6433

 48.8601, 51.9486,  
43.9520


177.7804,  
188.3263, 174.4254

 34.7226, 36.9641,  
30.2959


217.7685,  
230.5836, 215.8885

 23.6148, 25.1797,  
19.8093

263.3438,  
278.7318, 263.4509

 15.1713, 16.2110,  
12.0738

314.8717,  
333.1553, 317.5312

 9.0268, 9.6736,  
6.6708

372.7174,

 4.8159, 5.1831,

394.2383, 378.5479

3.1818

437.2463,  
462.3654, 446.9197

■ 2.1733, 2.3551,  
1.1882

■ 0.7286, 0.8026,  
0.0000

■ 87.6856, 93.0555,  
82.4472

■ 87.6856, 93.0555,  
82.4472

■ 82.6658, 88.0778,  
65.1683

■ 93.2893, 98.3730,  
102.4733

■ 78.1996, 83.4178,  
50.5087

95.0500, 100.0000,  
108.9000

■ 74.2637, 79.0681,  
38.3390

■ 70.8306, 75.0167,  
28.5164

■ 67.8696, 71.2504,  
20.8837

■ 65.3467, 67.7545,  
15.2643

■ 63.2224, 64.5124,  
11.4540

■ 61.4492, 61.5038,  
9.2050

■ 60.3602, 59.5004,  
8.3034

# Harmonies

## Analogous

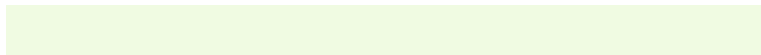
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3407, 93.0555, 83.8599



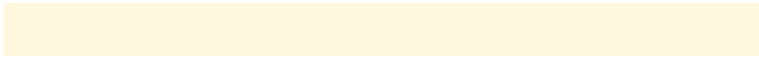
87.6856, 93.0555, 82.4472



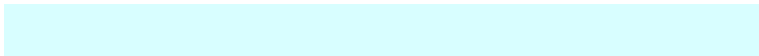
84.3273, 93.0555, 85.8011

# Triad

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



87.6856, 93.0555, 82.4472



82.8467, 93.0555, 113.7855



95.0916, 93.0555, 109.7449

# Complementary

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



87.6856, 93.0555, 82.4472



76.4703, 79.3410, 105.8917

# Split Complementary

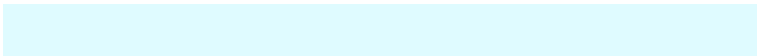
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.6977, 93.0555, 118.6093



87.6856, 93.0555, 82.4472



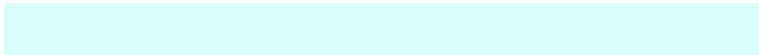
85.6140, 93.0555, 121.0532

# Square

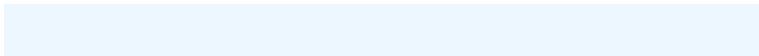
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6856, 93.0555, 82.4472



81.5839, 93.0555, 103.5227



89.2117, 93.0555, 122.8769

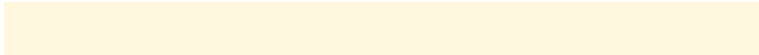


95.6834, 93.0555, 99.1520

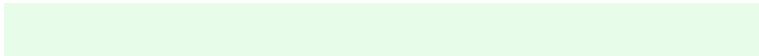


# Rectangle

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



87.6856, 93.0555, 82.4472



82.6866, 93.0555, 90.4358



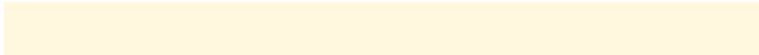
89.2117, 93.0555, 122.8769



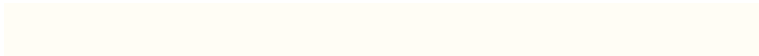
94.4678, 93.0555, 113.0477

# Sweetspot

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



87.6878, 93.0594, 82.4492



92.6677, 97.7940, 100.2182



81.6800, 79.2308, 86.0362



19.7411, 20.8444, 21.1123



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.



87.6878, 93.0594, 82.4492



86.0908, 91.5005, 76.8762



87.2149, 96.5228, 83.1426



19.1665, 20.3012, 19.0527



31.6620, 31.3353, 4.3795



3.1677, 3.2207, 0.4547



# Inverse Universe

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



76.4703, 79.3410, 105.8917



72.5181, 74.9025, 105.2433



76.8856, 76.3282, 105.2882



17.3603, 18.0922, 22.8271



10.4214, 5.7524, 49.9956

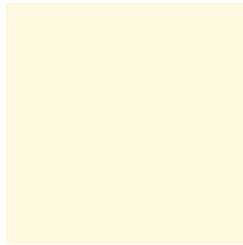


1.0955, 0.7216, 4.8948



# Previews

## White Background



This preview shows how the XYZ color 87.6856, 93.0555, 82.4472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

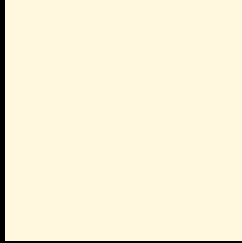
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.6856, 93.0555, 82.4472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

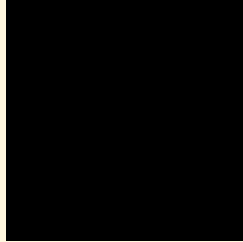
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.6856, 93.0555, 82.4472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.6856, 93.0555, 82.4472.



This preview shows how white text looks on a background with the XYZ color 87.6856, 93.0555,

82.4472.

# 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

87.6856, 93.0555, 82.4472

### Protanopia

88.1994, 92.7730, 86.6572

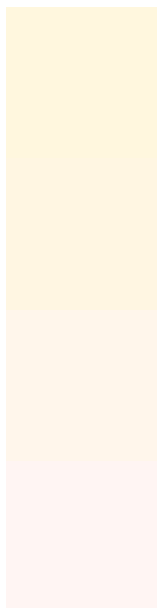
### Deuteranopia

89.9194, 92.9756, 97.2112

## **Tritanopia**

91.6407, 93.1814, 107.7636

# Trichromacy



## Original Color

87.6856, 93.0555, 82.4472

## Protanomaly

87.9232, 92.6625, 85.2031

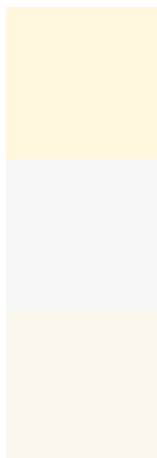
## Deuteranomaly

89.1912, 93.1697, 91.8799

## Tritanomaly

90.0701, 93.0359, 98.0045

# Monochromacy



## Original Color

87.6856, 93.0555, 82.4472

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.1177, 93.0186, 94.1990

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.6856, 93.0555, 82.4472 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 87.6856, 93.0555, 82.4472 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, 222) }
```



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

```
.border{ border-color:rgb(255, 247, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.6856, 93.0555, 82.4472 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
247, 222) }
```

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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