

# Converting Colors

XYZ(103.2791, 100.0000,  
86.7720)

Have a look what the booklet for  
XYZ(103.2791, 100.0000, 86.7720)  
contains.

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# Color

**XYZ(87.7575, 92.1109,  
85.8269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5E3
RGB	255, 245, 227
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0392, 0.1098
CMYK	0.00, 0.04, 0.11, 0.00
HSL	39°, 100%, 95%
HSV	39°, 11%, 100%
XYZ	87.7575, 92.1109, 85.8269
YIQ	245.9380, 11.7380, -3.4780

# Conversions

## Conversions Part 2

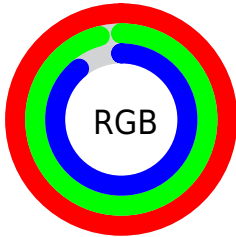
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 255, 227
Decimal	16774627
CIE Lab	96.87, 0.39, 9.85
CIE LCh	97, 9.853, 87.752
Yxy	92.1109, 0.3303, 0.3467
Android (android.graphics.Color)	4294964707 (0xFFFFF5E3)
YUV	245.9380, -9.3364, 7.9474
Hunter-Lab	95.9744, -4.7377, 14.1609

# Details

The XYZ color **87.7575, 92.1109, 85.8269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0120, 84.1170, 106.6269**, and the grayscale version is **87.6157, 92.1785, 100.3824**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9327, 51.3795, 46.3679** is the 20% darker color. If you saturate the color by 10%, you get **81.8097, 85.4365, 67.7474**, and if you desaturate by 10%, it is **94.3665, 99.2725, 106.7008**.

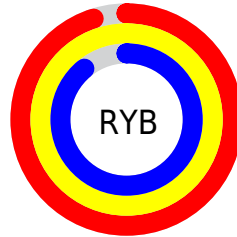
# Distribution



Red (100%)

Green (96%)

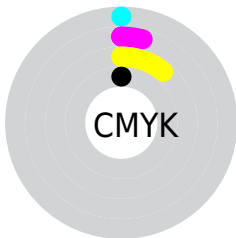
Blue (89%)



Red (95%)

Yellow (100%)

Blue (89%)

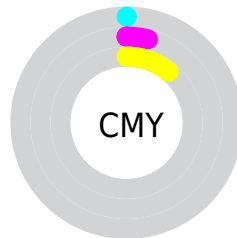


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7575, 92.1109, 85.8269 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 87.7575, 92.1109, 85.8269 by changing the saturation by 10% instead.




 87.7575, 92.1109,  
85.8269

 87.7575, 92.1109,  
85.8269


509.0561,  
534.8739, 534.5760

 66.4524, 69.7327,  
63.9708


143.1138,  
150.2671, 143.4123

 48.9088, 51.3087,  
46.1810


177.8956,  
186.8139, 179.9787

 34.7614, 36.4543,  
32.0390


217.9004,  
228.8524, 222.2855

 23.6448, 24.7853,  
21.1262

263.4935,  
276.7670, 270.7514

 15.1936, 15.9172,  
13.0241

315.0402,  
330.9420, 325.7949

 9.0426, 9.4656,  
7.3142

372.9060,

 4.8263, 5.0461,

391.7619, 387.8344

3.5780

437.4562,  
459.6111, 457.2886

■ 2.1794, 2.2743,  
1.3968

■ 0.7319, 0.7601,  
0.1392

■ 87.7575, 92.1109,  
85.8269

■ 87.7575, 92.1109,  
85.8269

■ 81.8097, 85.4365,  
67.7474

94.3665, 99.2725,  
106.7008

■ 76.4917, 79.2248,  
52.3356

95.0500, 100.0000,  
108.9000

■ 71.7793, 73.4657,  
39.4636

■ 67.6438, 68.1448,  
28.9907

■ 64.0540, 63.2461,  
20.7623

■ 60.9751, 58.7524,  
14.6055

■ 58.3673, 54.6443,  
10.3220

■ 56.1835, 50.8994,  
7.6741

■ 54.5119, 47.8038,  
6.3540

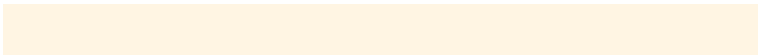
# Harmonies

## Analogous

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



90.4180, 92.1109, 87.9519



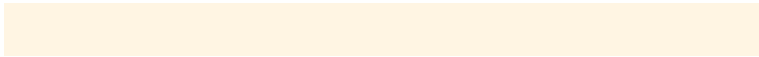
87.7575, 92.1109, 85.8269



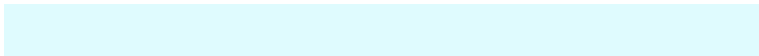
85.0949, 92.1109, 87.4055

# Triad

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



87.7575, 92.1109, 85.8269



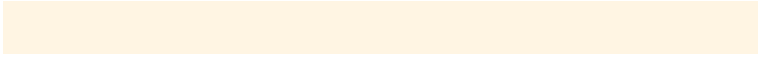
82.9247, 92.1109, 107.5558



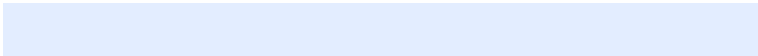
92.1253, 92.1109, 108.6441

# Complementary

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



87.7575, 92.1109, 85.8269



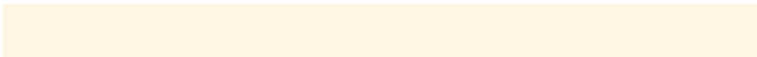
80.0120, 84.1170, 106.6269

# Split Complementary

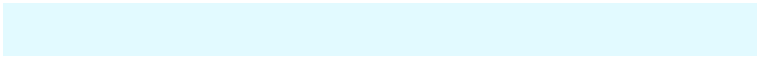
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0492, 92.1109, 114.3891



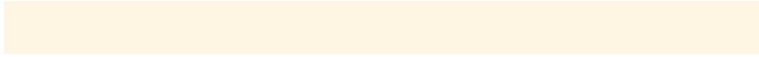
87.7575, 92.1109, 85.8269



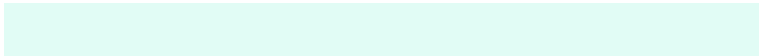
84.7407, 92.1109, 113.7379

# Square

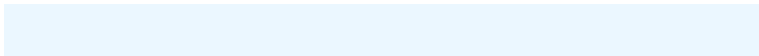
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7575, 92.1109, 85.8269



82.3399, 92.1109, 99.6966



87.3401, 92.1109, 116.2998

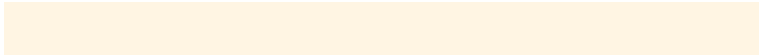


92.9726, 92.1109, 100.8920

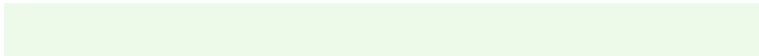


# Rectangle

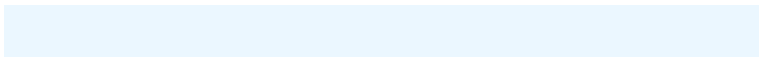
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7575, 92.1109, 85.8269



83.6695, 92.1109, 90.3946



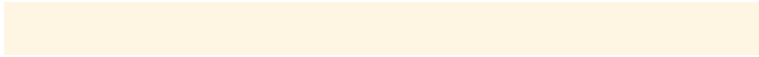
87.3401, 92.1109, 116.2998



91.5458, 92.1109, 110.8891

# Sweetspot

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



87.7597, 92.1148, 85.8289



92.9776, 97.7872, 102.2535



84.0348, 82.3293, 91.7881



19.7847, 20.8055, 21.5157



0.0000, 0.0000, 0.0000

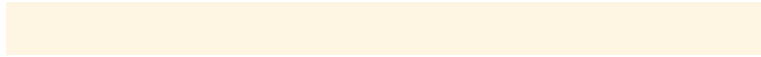


20.3446, 21.4041, 23.3091

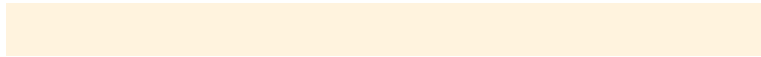


# Same Dimension

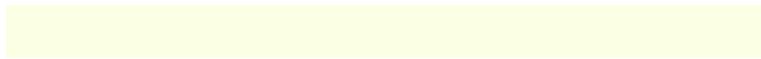
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7597, 92.1148, 85.8289



86.5054, 90.7273, 81.9547



89.5053, 97.6250, 86.8004



18.9838, 19.9358, 18.9918



28.6299, 25.2710, 3.3688

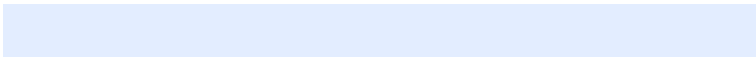


2.8909, 2.6672, 0.3624



# Inverse Universe

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



80.0120, 84.1170, 106.6269



77.4608, 81.3910, 106.2351



78.3891, 79.1040, 105.7448



17.5335, 18.4387, 22.8849



11.5147, 7.9390, 50.3601

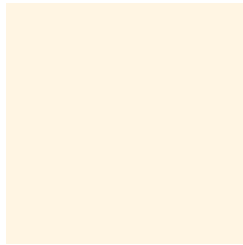


1.2199, 0.9704, 4.9363



# Previews

## White Background



This preview shows how the XYZ color 87.7575, 92.1109, 85.8269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

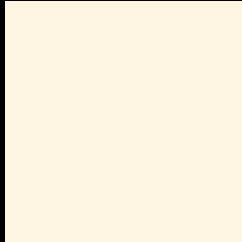
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.7575, 92.1109, 85.8269 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 87.7575, 92.1109, 85.8269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.7575, 92.1109, 85.8269.



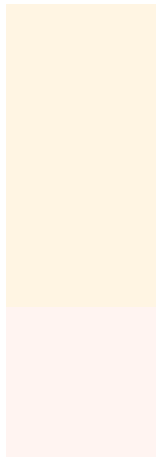
This preview shows how white text looks on a background with the XYZ color 87.7575, 92.1109,

85.8269.

# 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

87.7575, 92.1109, 85.8269

### Protanopia

87.7575, 92.1109, 85.8269

### Deuteranopia

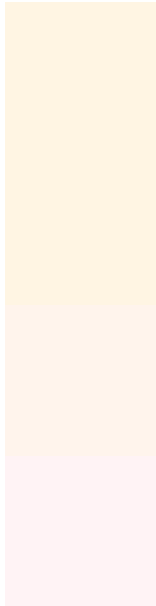
89.4679, 92.3122, 96.3217



## Tritanopia

91.0421, 91.9843, 107.5640

# Trichromacy



## Original Color

87.7575, 92.1109, 85.8269

## Protanomaly

87.7575, 92.1109, 85.8269

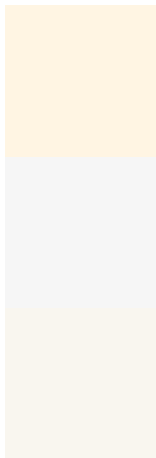
## Deuteranomaly

88.7310, 92.0175, 92.4414

## Tritanomaly

89.7720, 91.9538, 99.4036

# Monochromacy



## Original Color

87.7575, 92.1109, 85.8269

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.6027, 92.2833, 94.8567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7575, 92.1109, 85.8269 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, 245, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 87.7575, 92.1109, 85.8269 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, 245, 227) }
```



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

```
.border{ border-color:rgb(255, 245, 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, 245, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7575, 92.1109, 85.8269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 227) }
```

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

```
.background{ background-color: rgb(255,  
245, 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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