

# Converting Colors

XYZ(102.1314, 100.0000,  
85.2199)

Have a look what the booklet for  
XYZ(102.1314, 100.0000, 85.2199)  
contains.

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# Color

**XYZ(87.7864, 92.6078,  
84.4824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6E1
RGB	255, 246, 225
RGB Percent	100%, 96%, 88%
CMY	0.0000, 0.0353, 0.1176
CMYK	0.00, 0.04, 0.12, 0.00
HSL	42°, 100%, 94%
HSV	42°, 12%, 100%
XYZ	87.7864, 92.6078, 84.4824
YIQ	246.2970, 12.1050, -4.6230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 255, 225
Decimal	16774881
CIE Lab	97.07, -0.43, 11.16
CIE LCh	97, 11.173, 92.222
Yxy	92.6078, 0.3314, 0.3496
Android (android.graphics.Color)	4294964961 (0xFFFFF6E1)
YUV	246.2970, -10.4994, 7.6325
Hunter-Lab	96.2329, -5.5749, 15.3127

# Details

The XYZ color **87.7864, 92.6078, 84.4824** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5235, 82.0710, 106.3104**, and the grayscale version is **87.9151, 92.4936, 100.7255**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9579, 51.7350, 45.4357** is the 20% darker color. If you saturate the color by 10%, you get **82.2870, 86.7664, 66.7494**, and if you desaturate by 10%, it is **93.9054, 98.8562, 104.9874**.

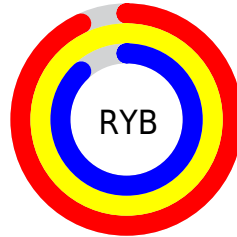
# Distribution



Red (100%)

Green (96%)

Blue (88%)



Red (93%)

Yellow (100%)

Blue (88%)



Cyan (0%)

Magenta (4%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7864, 92.6078, 84.4824 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 87.7864, 92.6078, 84.4824 by changing the saturation by 10% instead.




 87.7864, 92.6078,  
84.4824

 87.7864, 92.6078,  
84.4824

509.1494,  
536.4779, 530.0136

 66.4764, 70.1456,  
62.8661

143.1538,  
150.9555, 141.5175

 48.9284, 51.6452,  
45.2926


177.9419,  
187.6098, 177.7734

 34.7770, 36.7224,  
31.3433


217.9534,  
229.7635, 219.7463

 23.6568, 24.9926,  
20.5998

263.5536,  
277.8011, 267.8546

 15.2026, 16.0715,  
12.6434

315.1080,  
332.1069, 322.5170

 9.0489, 9.5748,  
7.0556

372.9818,

 4.8305, 5.1180,

393.0654, 384.1519

3.4179

437.5405,  
461.0609, 453.1779

■ 2.1819, 2.3166,  
1.3118

■ 0.7332, 0.7825,  
0.0714

■ 87.7864, 92.6078,  
84.4824

■ 87.7864, 92.6078,  
84.4824

■ 82.2870, 86.7664,  
66.7494

■ 93.9054, 98.8562,  
104.9874

■ 77.3766, 81.3090,  
51.6614

■ 95.0500, 100.0000,  
108.9000

■ 73.0317, 76.2272,  
39.0898

■ 69.2242, 71.5080,  
28.8934

■ 65.9235, 67.1372,  
20.9166

■ 63.0954, 63.0991,  
14.9851

■ 60.7005, 59.3761,  
10.8984

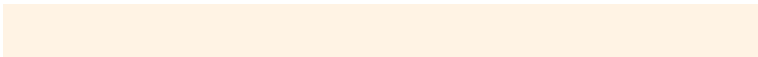
■ 58.6919, 55.9472,  
8.4150

■ 57.2697, 53.3194,  
7.2732

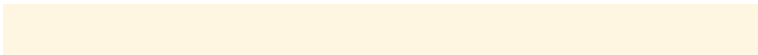
# Harmonies

## Analogous

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



90.8726, 92.6078, 86.2588



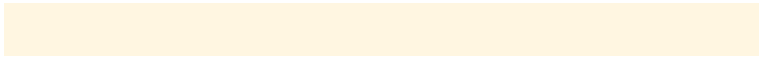
87.7864, 92.6078, 84.4824



84.8322, 92.6078, 86.8661

# Triad

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



87.7864, 92.6078, 84.4824



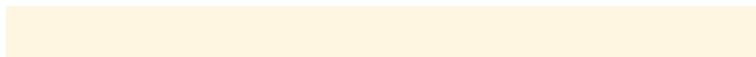
82.9981, 92.6078, 110.3643



93.4866, 92.6078, 109.1322

# Complementary

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



87.7864, 92.6078, 84.4824



78.5235, 82.0710, 106.3104

# Split Complementary

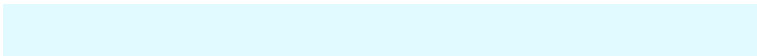
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2886, 92.6078, 116.2247



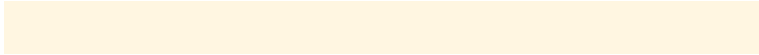
87.7864, 92.6078, 84.4824



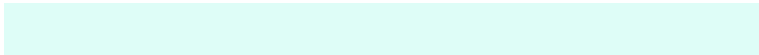
85.2296, 92.6078, 116.9653

# Square

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



87.7864, 92.6078, 84.4824



82.1091, 92.6078, 101.5079



88.2559, 92.6078, 119.1704

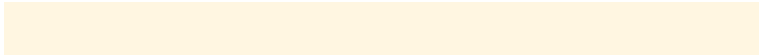


94.2100, 92.6078, 100.1634



# Rectangle

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



87.7864, 92.6078, 84.4824



83.3221, 92.6078, 90.5814



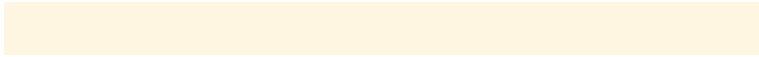
88.2559, 92.6078, 119.1704



92.8932, 92.6078, 111.8328

# Sweetspot

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



87.7885, 92.6117, 84.4844



92.4831, 97.4247, 100.1567



83.0172, 81.0520, 89.1120



19.6943, 20.7508, 21.0967



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

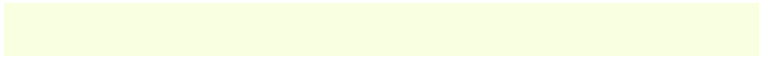
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7885, 92.6117, 84.4844



86.5058, 91.2704, 80.2827



88.4179, 97.0961, 85.3168



19.0745, 20.1171, 19.0220



30.0616, 28.1345, 3.8461



3.0227, 2.9308, 0.4064



# Inverse Universe

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



78.5235, 82.0710, 106.3104



75.6515, 78.9221, 105.8540



77.9312, 78.0606, 105.5675



17.4469, 18.2654, 22.8560



10.9114, 6.7325, 50.1590

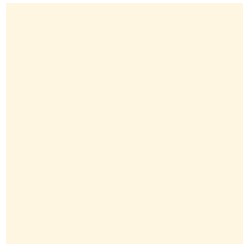


1.1531, 0.8369, 4.9140



# Previews

## White Background



This preview shows how the XYZ color 87.7864, 92.6078, 84.4824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

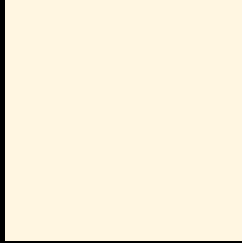
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.7864, 92.6078, 84.4824 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

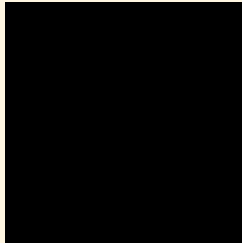
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.7864, 92.6078, 84.4824**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.7864, 92.6078, 84.4824.



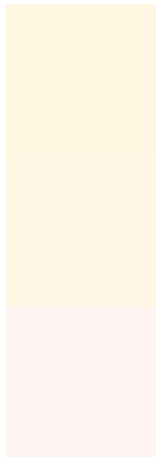
This preview shows how white text looks on a background with the XYZ color 87.7864, 92.6078,

84.4824.

# 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

87.7864, 92.6078, 84.4824

### Protanopia

88.0609, 92.7176, 85.9280

### Deuteranopia

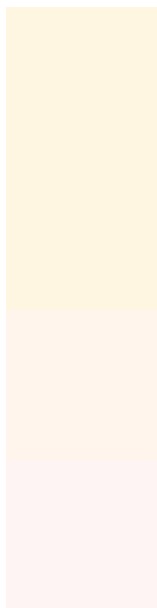
89.6177, 92.3722, 97.1107



## Tritanopia

91.3406, 92.5812, 107.6635

# Trichromacy



## Original Color

87.7864, 92.6078, 84.4824

## Protanomaly

87.9232, 92.6625, 85.2031

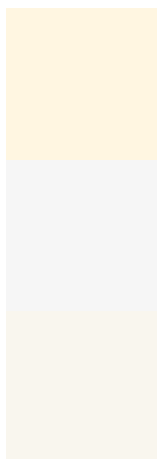
## Deuteranomaly

89.0327, 92.6209, 92.5420

## Tritanomaly

89.9198, 92.4930, 98.7016

# Monochromacy



## Original Color

87.7864, 92.6078, 84.4824

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.4553, 92.2243, 94.0806

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7864, 92.6078, 84.4824 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, 246, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 225)  
}
```

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, 246, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 87.7864, 92.6078, 84.4824 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, 246, 225) }
```



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

```
.border{ border-color:rgb(255, 246, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7864, 92.6078, 84.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 225) }
```

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

```
.background{ background-color: rgb(255,  
246, 225) }
```

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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