

# Converting Colors

XYZ(87.1813, 91.3976, 84.2807)

Have a look what the booklet for  
XYZ(87.1813, 91.3976, 84.2807)  
contains.

<b>XYZ(87.1813, 91.3976, 84.2807)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(87.1813, 91.3976,  
84.2807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4E1
RGB	255, 244, 225
RGB Percent	100%, 96%, 88%
CMY	0.0000, 0.0431, 0.1176
CMYK	0.00, 0.04, 0.12, 0.00
HSL	38°, 100%, 94%
HSV	38°, 12%, 100%
XYZ	87.1813, 91.3976, 84.2807
YIQ	245.1230, 12.6550, -3.5770

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 255, 225
Decimal	16774369
CIE <sub>Lab</sub>	96.57, 0.58, 10.46
CIE <sub>LCh</sub>	97, 10.474, 86.839
Yxy	91.3976, 0.3317, 0.3477
Android (android.graphics.Color)	4294964449 (0xFFFFF4E1)
YUV	245.1230, -9.9206, 8.6621
Hunter-Lab	95.6021, -4.5262, 14.6527

# Details

The XYZ color **87.1813, 91.3976, 84.2807** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.0961, 83.2162, 106.5013**, and the grayscale version is **86.9621, 91.4909, 99.6336**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5276, 50.8745, 45.2923** is the 20% darker color. If you saturate the color by 10%, you get **81.2185, 84.6295, 66.3933**, and if you desaturate by 10%, it is **93.8105, 98.6663, 104.9557**.

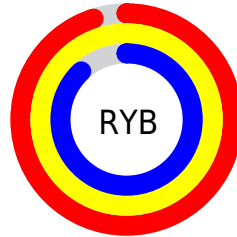
# Distribution



Red (100%)

Green (96%)

Blue (88%)



Red (95%)

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 87.1813, 91.3976, 84.2807 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 87.1813, 91.3976, 84.2807 by changing the saturation by 10% instead.



87.1813, 91.3976,  
84.2807

87.1813, 91.3976,  
84.2807

507.1940,  
532.5668, 529.3273

65.9738, 69.1404,  
62.7005

142.3152,  
149.2782, 141.2330

48.5187, 50.8261,  
45.1595

176.9723,  
185.6704, 177.4421

34.4508, 36.0702,  
31.2392

216.8432,  
227.5430, 219.3647

23.4047, 24.4884,  
20.5211

262.2935,  
275.2805, 267.4192

15.0149, 15.6963,  
12.5866

313.6883,  
329.2672, 322.0241

8.9163, 9.3095,  
7.0171

371.3931,

4.7433, 4.9436,

389.8876, 383.5981

3.3942

435.7732,  
457.5260, 452.5597

■ 2.1306, 2.2142,  
1.2993

■ 0.7058, 0.7277,  
0.0612

■ 87.1813, 91.3976,  
84.2807

■ 87.1813, 91.3976,  
84.2807

■ 81.2185, 84.6295,  
66.3933

■ 93.8105, 98.6663,  
104.9557

■ 75.8908, 78.3373,  
51.1661

95.0500, 100.0000,  
108.9000

■ 71.1733, 72.5105,  
38.4704

■ 67.0373, 67.1342,  
28.1644

■ 63.4509, 62.1920,  
20.0924

■ 60.3789, 57.6662,  
14.0796

■ 57.7809, 53.5369,  
9.9252

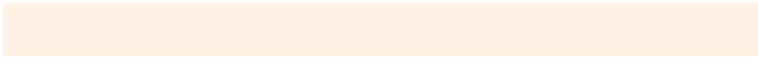
■ 55.6087, 49.7808,  
7.3873

■ 54.0806, 46.9413,  
6.2102

# Harmonies

## Analogous

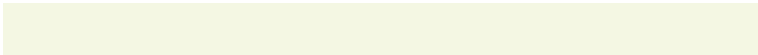
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9844, 91.3976, 86.6291



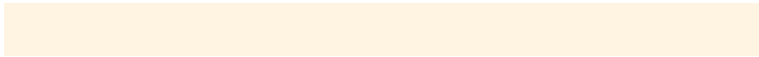
87.1813, 91.3976, 84.2807



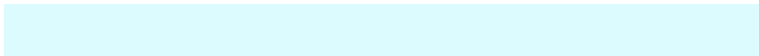
84.3555, 91.3976, 85.8216

# Triad

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



87.1813, 91.3976, 84.2807



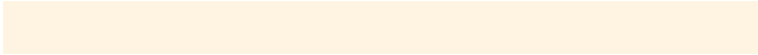
81.9470, 91.3976, 106.9691



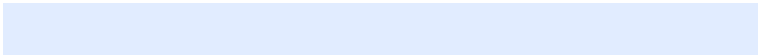
91.6657, 91.3976, 108.5922

# Complementary

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



87.1813, 91.3976, 84.2807



79.0961, 83.2162, 106.5013

# Split Complementary

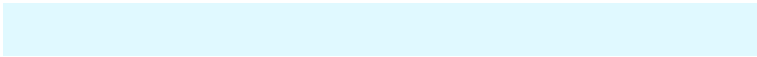
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4354, 91.3976, 114.5958



87.1813, 91.3976, 84.2807



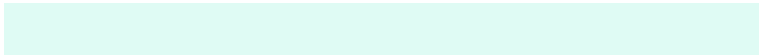
83.8296, 91.3976, 113.6224

# Square

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



87.1813, 91.3976, 84.2807



81.3738, 91.3976, 98.6305



86.5608, 91.3976, 116.4859

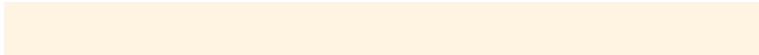


92.6097, 91.3976, 100.4076



# Rectangle

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



87.1813, 91.3976, 84.2807



82.8314, 91.3976, 88.8971



86.5608, 91.3976, 116.4859



91.0392, 91.3976, 110.9495

# Sweetspot

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



87.1834, 91.4014, 84.2826



92.2700, 96.9985, 100.0856



83.3062, 81.1676, 90.6340



19.6403, 20.6428, 21.0787



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.



87.1834, 91.4014, 84.2826



85.7930, 89.8449, 80.0451



89.1346, 97.4656, 85.3503



18.9688, 19.9057, 18.9868



28.4056, 24.8225, 3.2941



2.8700, 2.6254, 0.3555



# Inverse Universe

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



79.0961, 83.2162, 106.5013



76.3184, 80.2560, 106.0763



77.2893, 77.7297, 105.5375



17.5481, 18.4678, 22.8897



11.6273, 8.1642, 50.3976

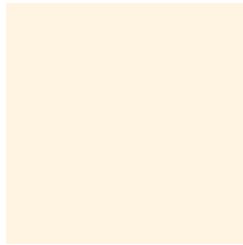


1.2320, 0.9946, 4.9403



# Previews

## White Background



This preview shows how the XYZ color 87.1813, 91.3976, 84.2807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

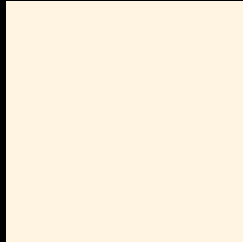
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1813, 91.3976, 84.2807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

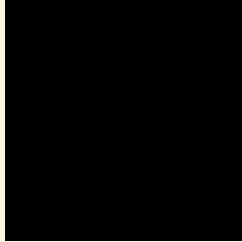
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.1813, 91.3976, 84.2807

## Background



This preview shows how black text looks on a background with the XYZ color 87.1813, 91.3976, 84.2807.



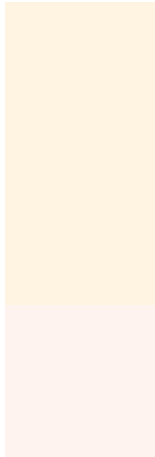
This preview shows how white text looks on a background with the XYZ color 87.1813, 91.3976,



# 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

87.1813, 91.3976, 84.2807

### Protanopia

86.8143, 91.2084, 84.2635

### Deuteranopia

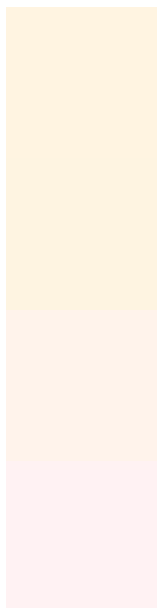
89.0188, 91.6525, 95.4370



## Tritanopia

90.5847, 91.3264, 106.6194

# Trichromacy



## Original Color

87.1813, 91.3976, 84.2807

## Protanomaly

86.8143, 91.2084, 84.2635

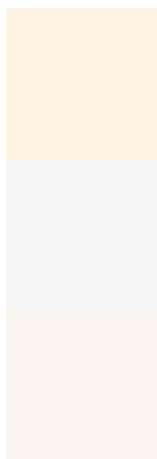
## Deuteranomaly

88.2860, 91.3593, 91.5782

## Tritanomaly

89.1698, 91.2353, 97.7044

# Monochromacy



## Original Color

87.1813, 91.3976, 84.2807

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.1519, 91.6176, 93.9795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1813, 91.3976, 84.2807 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, 244, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 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, 244, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1813, 91.3976, 84.2807 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, 244, 225) }
```



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

```
.border{ border-color:rgb(255, 244, 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, 244, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1813, 91.3976, 84.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 225) }
```

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

```
.background{ background-color: rgb(255,  
244, 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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