

# Converting Colors

XYZ(95.1340, 96.7336, 83.6661)

Have a look what the booklet for  
XYZ(95.1340, 96.7336, 83.6661)  
contains.

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# Color

**XYZ(87.8200, 93.1092,  
83.1553)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF7DF
RGB	255, 247, 223
RGB Percent	100%, 97%, 87%
CMY	0.0000, 0.0313, 0.1255
CMYK	0.00, 0.03, 0.13, 0.00
HSL	45°, 100%, 94%
HSV	45°, 13%, 100%
XYZ	87.8200, 93.1092, 83.1553
YIQ	246.6560, 12.4720, -5.7680

# Conversions

## Conversions Part 2

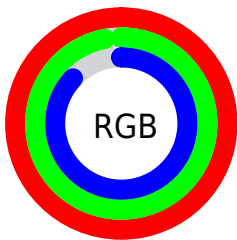
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 255, 223
Decimal	16775135
CIE Lab	97.27, -1.25, 12.48
CIE LCh	97, 12.546, 95.714
Yxy	93.1092, 0.3325, 0.3526
Android (android.graphics.Color)	4294965215 (0xFFFFF7DF)
YUV	246.6560, -11.6624, 7.3177
Hunter-Lab	96.4931, -6.4071, 16.4506

# Details

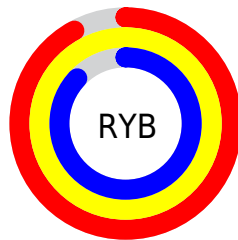
The XYZ color **87.8200, 93.1092, 83.1553** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.0567, 80.0577, 105.9991**, and the grayscale version is **88.2152, 92.8093, 101.0693**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9874, 52.0945, 44.5191** is the 20% darker color. If you saturate the color by 10%, you get **82.7232, 88.0094, 65.7529**, and if you desaturate by 10%, it is **93.5056, 98.5571, 103.3109**.

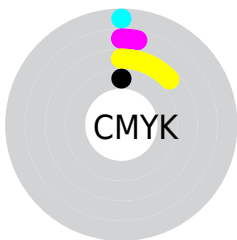
# Distribution



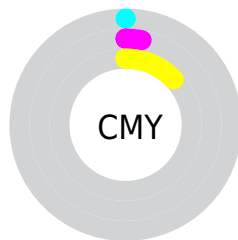
- Red (100%)
- Green (97%)
- Blue (87%)



- Red (92%)
- 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 87.8200, 93.1092, 83.1553 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 87.8200, 93.1092, 83.1553 by changing the saturation by 10% instead.




 87.8200, 93.1092,  
83.1553

 87.8200, 93.1092,  
83.1553


509.2578,  
538.0939, 525.4885

 66.5043, 70.5623,  
61.7769


143.2003,  
151.6498, 139.6441

 48.9511, 51.9851,  
44.4178


177.9957,  
188.4122, 175.5917

 34.7951, 36.9932,  
30.6595

218.0150,  
230.6820, 217.2327

 23.6708, 25.2022,  
20.0834

263.6236,  
278.8434, 264.9856

 15.2130, 16.2278,  
12.2710

315.1868,  
333.2809, 319.2692

 9.0563, 9.6855,  
6.8038

373.0700,

 4.8353, 5.1909,

394.3789, 380.5018

3.2631

437.6385,  
462.5218, 449.1021

■ 2.1847, 2.3597,  
1.2305

■ 0.7347, 0.8050,  
0.0038

■ 87.8200, 93.1092,  
83.1553

■ 87.8200, 93.1092,  
83.1553

■ 82.7232, 88.0094,  
65.7529

■ 93.5056, 98.5571,  
103.3109

■ 78.1850, 83.2355,  
50.9759

95.0500, 100.0000,  
108.9000

■ 74.1819, 78.7800,  
38.6955

■ 70.6864, 74.6308,  
28.7694

■ 67.6681, 70.7747,  
21.0409

■ 65.0929, 67.1970,  
15.3342

■ 62.9217, 63.8808,  
11.4465

■ 61.1071, 60.8061,  
9.1322

■ 59.9353, 58.6507,  
8.1618

# Harmonies

## Analogous

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



91.3331, 93.1092, 84.5935



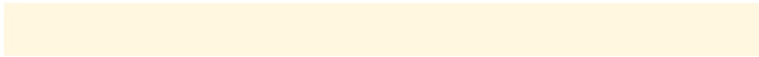
87.8200, 93.1092, 83.1553



84.5746, 93.1092, 86.3294

# Triad

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



87.8200, 93.1092, 83.1553



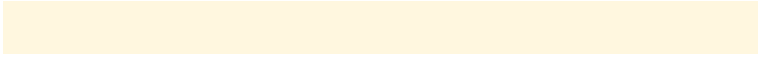
83.0731, 93.1092, 113.2183



94.8627, 93.1092, 109.6301

# Complementary

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



87.8200, 93.1092, 83.1553



77.0567, 80.0577, 105.9991

# Split Complementary

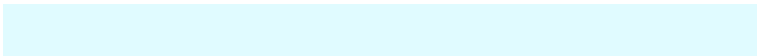
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5399, 93.1092, 118.0857



87.8200, 93.1092, 83.1553



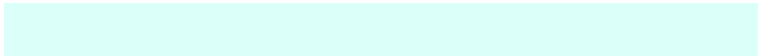
85.7212, 93.1092, 120.2523

# Square

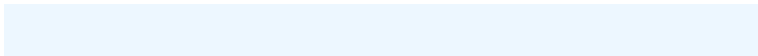
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8200, 93.1092, 83.1553



81.8813, 93.1092, 103.3378



89.1785, 93.1092, 122.0903

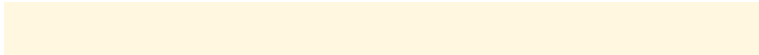


95.4608, 93.1092, 99.4472

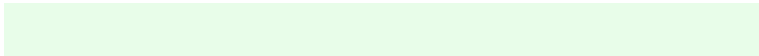


# Rectangle

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



87.8200, 93.1092, 83.1553



82.9796, 93.1092, 90.7673



89.1785, 93.1092, 122.0903



94.2547, 93.1092, 112.7895

# Sweetspot

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



87.8222, 93.1131, 83.1573



92.6434, 97.7453, 100.2101



82.0522, 79.8060, 86.6818



19.7349, 20.8321, 21.1102



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.



87.8222, 93.1131, 83.1573



86.5189, 91.8308, 78.6404



87.4375, 96.6221, 83.8548



19.1544, 20.2769, 19.0486



31.4422, 30.8957, 4.3063



3.1479, 3.1812, 0.4481



# Inverse Universe

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



77.0567, 80.0577, 105.9991



73.8706, 76.4925, 105.4789



77.3936, 76.9855, 105.3883



17.3716, 18.1149, 22.8309



10.4794, 5.8684, 50.0150

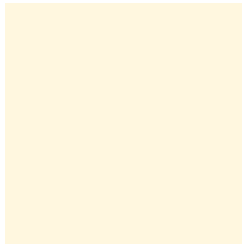


1.1025, 0.7357, 4.8972



# Previews

## White Background



This preview shows how the XYZ color 87.8200, 93.1092, 83.1553 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

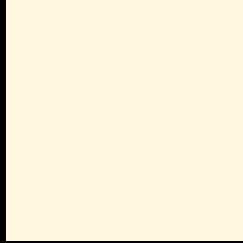
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.8200, 93.1092, 83.1553 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

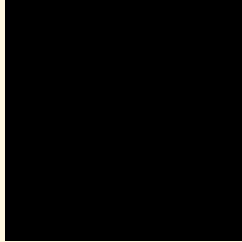
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.8200, 93.1092, 83.1553

## Background



This preview shows how black text looks on a background with the XYZ color 87.8200, 93.1092, 83.1553.



This preview shows how white text looks on a background with the XYZ color 87.8200, 93.1092,

83.1553.

# 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

87.8200, 93.1092, 83.1553

### Protanopia

88.6436, 93.4387, 87.4922

### Deuteranopia

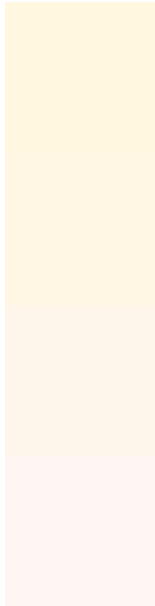
89.9194, 92.9756, 97.2112



## Tritanopia

91.6407, 93.1814, 107.7636

# Trichromacy



## Original Color

87.8200, 93.1092, 83.1553

## Protanomaly

88.3659, 93.3276, 86.0297

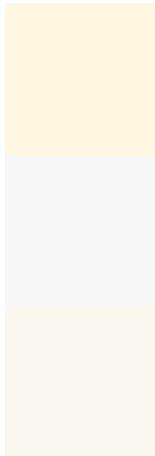
## Deuteranomaly

89.1912, 93.1697, 91.8799

## Tritanomaly

90.0701, 93.0359, 98.0045

# Monochromacy



## Original Color

87.8200, 93.1092, 83.1553

## 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 87.8200, 93.1092, 83.1553 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 87.8200, 93.1092, 83.1553 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, 223) }
```



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

```
.border{ border-color:rgb(255, 247, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.8200, 93.1092, 83.1553 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
247, 223) }
```

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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