

# Converting Colors

XYZ(90.3432, 97.1021, 87.2440)

Have a look what the booklet for  
XYZ(90.3432, 97.1021, 87.2440)  
contains.

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# **Color**

**XYZ(90.3689, 97.1120,  
87.3803)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFDE4
RGB	255, 253, 228
RGB Percent	100%, 99%, 89%
CMY	0.0000, 0.0078, 0.1059
CMYK	0.00, 0.01, 0.11, 0.00
HSL	56°, 100%, 95%
HSV	56°, 11%, 100%
XYZ	90.3689, 97.1120, 87.3803
YIQ	250.7480, 9.2170, -7.3510

# Conversions

## Conversions Part 2

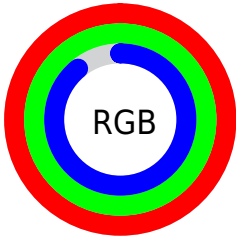
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 255, 228
Decimal	16776676
CIE <sub>Lab</sub>	98.87, -3.48, 12.20
CIE <sub>LCh</sub>	99, 12.685, 105.928
Yxy	97.1120, 0.3288, 0.3533
Android (android.graphics.Color)	4294966756 (0xFFFFFDE4)
YUV	250.7480, -11.2148, 3.7290
Hunter-Lab	98.5454, -8.7650, 16.4093

# Details

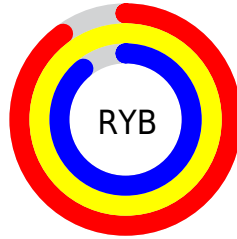
The XYZ color **90.3689, 97.1120, 87.3803** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.3411, 80.3055, 105.9792**, and the grayscale version is **91.5721, 96.3410, 104.9154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.5715, 54.5028, 47.3898** is the 20% darker color. If you saturate the color by 10%, you get **86.4958, 94.6194, 69.8937**, and if you desaturate by 10%, it is **94.7744, 99.8333, 107.6229**.

# Distribution



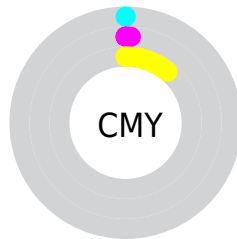
- Red (100%)
- Green (99%)
- Blue (89%)



- Red (90%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.3689, 97.1120, 87.3803 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 90.3689, 97.1120, 87.3803 by changing the saturation by 10% instead.




 90.3689, 97.1120,  
87.3803

 90.3689, 97.1120,  
87.3803


517.4502,  
550.9044, 539.8203

 68.6239, 73.8940,  
65.2485


146.7265,  
157.1792, 145.5976

 50.6810, 54.7073,  
47.2100


182.0697,  
194.7973, 182.5203

 36.1748, 39.1674,  
32.8462


222.6765,  
237.9841, 225.2104

 24.7400, 26.8900,  
21.7385

268.9121,  
287.1242, 274.0863

 16.0111, 17.4906,  
13.4684

321.1420,  
342.6018, 329.5668

 9.6229, 10.5849,  
7.6174

379.7313,

 5.2100, 5.7885,

404.8015, 392.0702

3.7669

445.0456,  
474.1076, 462.0152

■ 2.4070, 2.7169,  
1.4983

■ 0.8486, 0.9858,  
0.2167

■ 90.3689, 97.1120,  
87.3803

■ 90.3689, 97.1120,  
87.3803

■ 86.4958, 94.6194,  
69.8937

94.7744, 99.8333,  
107.6229

■ 83.1259, 92.3342,  
55.0370

95.0500, 100.0000,  
108.9000

■ 80.2367, 90.2507,  
42.6835

■ 77.8019, 88.3582,  
32.6935

■ 75.7922, 86.6450,  
24.9138

■ 74.1752, 85.0982,  
19.1731

■ 72.9134, 83.7027,  
15.2749

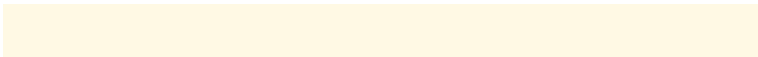
■ 71.9623, 82.4407,  
12.9841

■ 71.2840, 81.3480,  
11.9447

# Harmonies

## Analogous

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



94.0377, 97.1120, 87.2304



90.3689, 97.1120, 87.3803



87.2985, 97.1120, 92.2271

# Triad

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



90.3689, 97.1120, 87.3803



87.4551, 97.1120, 121.0173



99.3556, 97.1120, 110.7556

# Complementary

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



90.3689, 97.1120, 87.3803



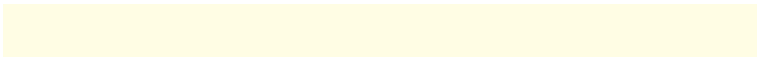
78.3411, 80.3055, 105.9792

# 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.



97.4932, 97.1120, 120.5089



90.3689, 97.1120, 87.3803



90.5879, 97.1120, 126.6951

# Square

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



90.3689, 97.1120, 87.3803



85.6471, 97.1120, 111.4125



94.2626, 97.1120, 126.5031

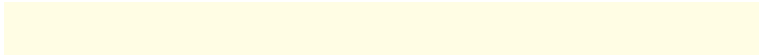


99.2931, 97.1120, 100.2604

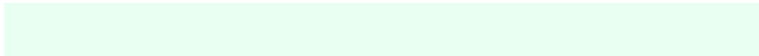


# Rectangle

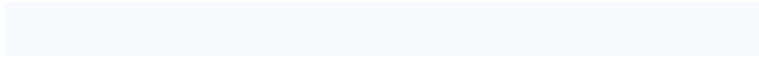
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3689, 97.1120, 87.3803



85.9753, 97.1120, 97.6662



94.2626, 97.1120, 126.5031



98.9318, 97.1120, 114.2437

# Sweetspot

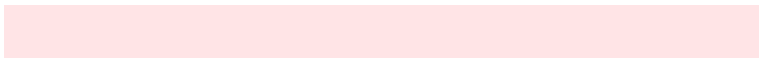
The Sweet Spot groups the original color and five complimentary colors.



90.3711, 97.1160, 87.3824



93.6626, 99.1571, 102.4818



83.3022, 82.4752, 86.5772



19.9701, 21.1762, 21.5775



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.



90.3711, 97.1160, 87.3824



89.3887, 96.4938, 82.9158



86.9857, 96.3101, 87.4052



19.4397, 20.8475, 19.1437



37.2959, 42.6030, 6.2575



3.6643, 4.2139, 0.6202



# Inverse Universe

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



78.3411, 80.3055, 105.9792



74.8641, 76.1976, 105.3696



81.4754, 81.1023, 105.9678



17.1107, 17.5931, 22.7439



9.5902, 4.0900, 49.7186



0.9694, 0.4695, 4.8528



# Previews

## White Background



This preview shows how the XYZ color 90.3689, 97.1120, 87.3803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

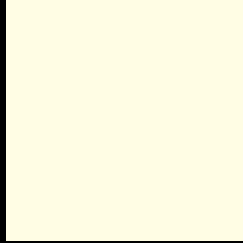
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.3689, 97.1120, 87.3803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

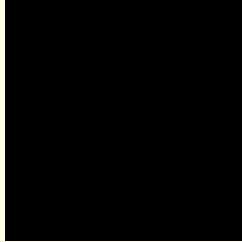
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 90.3689, 97.1120, 87.3803**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.3689, 97.1120, 87.3803.



This preview shows how white text looks on a background with the XYZ color 90.3689, 97.1120,



# 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

90.3689, 97.1120, 87.3803

### Protanopia

92.0663, 96.7860, 99.4171

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

93.4202, 97.2852, 108.4619

# Trichromacy



**Original Color**

90.3689, 97.1120, 87.3803

**Protanomaly**

91.4830, 97.0539, 94.8005

**Deuteranomaly**

92.0774, 97.2916, 97.9306

**Tritanomaly**

92.1649, 97.2842, 100.3063

# Monochromacy



**Original Color**

90.3689, 97.1120, 87.3803



**Achromatopsia**

91.6934, 96.4686, 105.0543



**Achromatomaly**

91.1329, 96.7873, 98.6726

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.3689, 97.1120, 87.3803 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, 253, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 228)  
}
```

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, 253, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 90.3689, 97.1120, 87.3803 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, 253, 228) }
```



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

```
.border{ border-color:rgb(255, 253, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.3689, 97.1120, 87.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 228) }
```

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

```
.background{ background-color: rgb(255,  
253, 228) }
```

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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