

# Converting Colors

XYZ(89.8807, 97.7186, 91.3320)

Have a look what the booklet for  
XYZ(89.8807, 97.7186, 91.3320)  
contains.

<b>XYZ(89.8923, 97.7272, 91.2162)</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(89.8923, 97.7272,  
91.2162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFFE9
RGB	250, 255, 233
RGB Percent	98%, 100%, 91%
CMY	0.0196, 0.0000, 0.0863
CMYK	0.02, 0.00, 0.09, 0.00
HSL	74°, 100%, 96%
HSV	74°, 9%, 100%
XYZ	89.8923, 97.7272, 91.2162
YIQ	250.9970, 4.0820, -7.9020

# Conversions

## Conversions Part 2

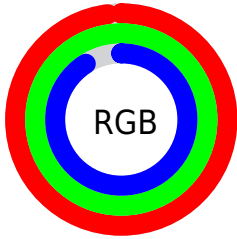
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 255, 238
Decimal	16449513
CIE <sub>Lab</sub>	99.11, -5.39, 9.93
CIE <sub>LCh</sub>	99, 11.303, 118.484
Yxy	97.7272, 0.3224, 0.3505
Android (android.graphics.Color)	4294639593 (0xFFFAFFE9)
YUV	250.9970, -8.8725, -0.8744
Hunter-Lab	98.8571, -10.6870, 14.4926

# Details

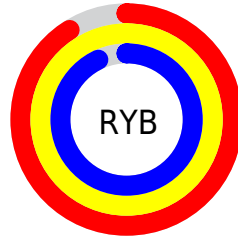
The XYZ color 89.8923, 97.7272, 91.2162 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.4496, 83.6762, 106.4133, and the grayscale version is 91.7603, 96.5390, 105.1310.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1222, 54.8999, 49.5500 is the 20% darker color. If you saturate the color by 10%, you get 84.4639, 95.3197, 73.3005, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

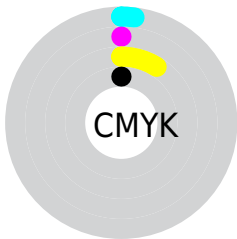
# Distribution



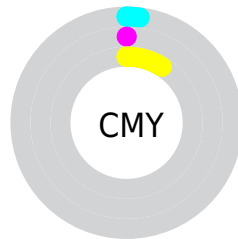
- Red (98%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.8923, 97.7272, 91.2162 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 89.8923, 97.7272, 91.2162 by changing the saturation by 10% instead.



89.8923, 97.7272,  
91.2162

89.8923, 97.7272,  
91.2162

515.9236,  
552.8595, 552.6511

68.2273, 74.4069,  
68.4104

146.0679,  
158.0270, 150.9768

50.3570, 55.1271,  
49.7629

181.3092,  
195.7753, 188.7688

35.9161, 39.5035,  
34.8552

221.8067,  
239.1017, 232.3932

24.5392, 27.1517,  
23.2687

267.9256,  
288.3907, 282.2686

15.8610, 17.6872,  
14.5849

320.0314,  
344.0265, 338.8135

9.5161, 10.7256,  
8.3852

378.4894,

5.1391, 5.8826,

406.3937, 402.4466

4.2511

443.6650,  
475.8765, 473.5862

■ 2.3647, 2.7739,  
1.7641

■ 0.8275, 1.0148,  
0.4041

■ 89.8923, 97.7272,  
91.2162

■ 89.8923, 97.7272,  
91.2162

■ 84.4639, 95.3197,  
73.3005

95.0500, 100.0000,  
108.9000

■ 79.6021, 93.1460,  
58.0405

■ 75.2828, 91.1966,  
45.3107

■ 71.4795, 89.4608,  
34.9737

■ 68.1630, 87.9268,  
26.8793

■ 65.3010, 86.5817,  
20.8600

■ 62.8565, 85.4105,  
16.7251

■ 60.7862, 84.3959,  
14.2488

■ 59.0282, 83.5130,  
13.1091

# Harmonies

## Analogous

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



93.0548, 97.7272, 89.2505



89.8923, 97.7272, 91.2162



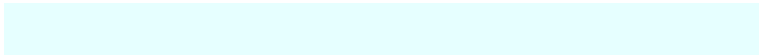
87.5799, 97.7272, 97.1854

# Triad

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



89.8923, 97.7272, 91.2162



89.6080, 97.7272, 122.6704



99.3778, 97.7272, 106.8901

# Complementary

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



89.8923, 97.7272, 91.2162



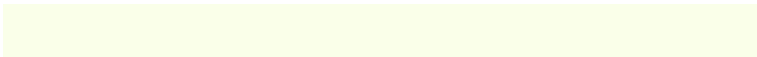
82.4496, 83.6762, 106.4133

# Split Complementary

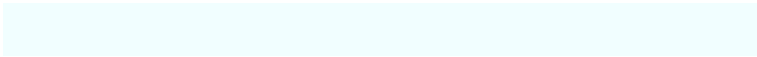
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4038, 97.7272, 116.1969



89.8923, 97.7272, 91.2162



92.7189, 97.7272, 125.6352

# Square

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



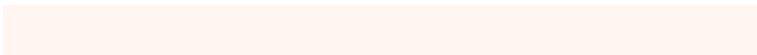
89.8923, 97.7272, 91.2162



87.4185, 97.7272, 115.3157



95.9470, 97.7272, 123.2000



98.5785, 97.7272, 97.9719

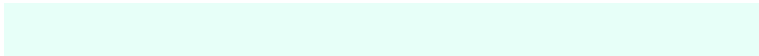


# Rectangle

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



89.8923, 97.7272, 91.2162



86.8047, 97.7272, 102.8200



95.9470, 97.7272, 123.2000



99.2465, 97.7272, 110.0791

# Sweetspot

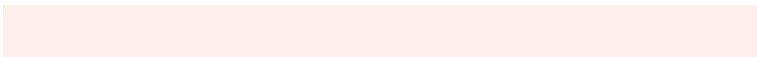
The Sweet Spot groups the original color and five complimentary colors.



89.8930, 97.7275, 91.2177



93.2059, 99.1888, 102.5120



86.4553, 88.1575, 89.5516



19.8464, 21.1849, 21.5856



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.



89.8930, 97.7275, 91.2177



89.1130, 97.3826, 88.5953



86.1442, 95.7949, 91.0422



19.1338, 20.8704, 19.1643



30.8602, 43.6471, 6.7982



3.0987, 4.2982, 0.6663



# Inverse Universe

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



82.4496, 83.6762, 106.4133



80.5662, 81.2481, 106.0439



86.1734, 85.5959, 106.5876



17.3891, 17.5768, 22.7261



10.4472, 4.2962, 49.7132

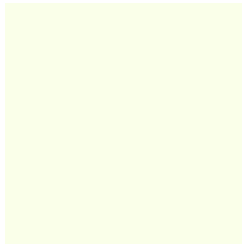


1.1071, 0.4646, 4.8446



# Previews

## White Background



This preview shows how the XYZ color 89.8923, 97.7272, 91.2162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

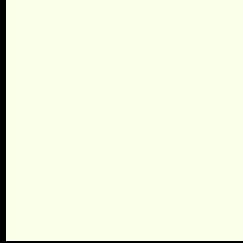
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.8923, 97.7272, 91.2162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

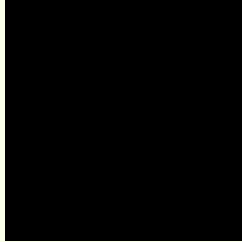
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.8923, 97.7272, 91.2162

## Background



This preview shows how black text looks on a background with the XYZ color 89.8923, 97.7272, 91.2162.



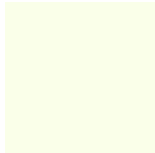
This preview shows how white text looks on a background with the XYZ color 89.8923, 97.7272,



# 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

89.8923, 97.7272, 91.2162



### Protanopia

92.8389, 97.5962, 101.9405

### Deuteranopia

93.4630, 97.8458, 105.2269

## **Tritanopia**

93.3684, 97.7235, 108.5492

# Trichromacy

**Original Color**

89.8923, 97.7272, 91.2162

**Protanomaly**

91.6603, 97.5440, 98.0013

**Deuteranomaly**

91.9624, 97.6649, 99.5922

**Tritanomaly**

92.0587, 97.6614, 101.9942

# Monochromacy

**Original Color**

89.8923, 97.7272, 91.2162

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

90.9232, 96.6617, 99.4534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.8923, 97.7272, 91.2162 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(250, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 233)  
}
```

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(250, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 89.8923, 97.7272, 91.2162 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(250, 255, 233) }
```



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

```
.border{ border-color:rgb(250, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.8923, 97.7272, 91.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 233) }
```

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

```
.background{ background-color: rgb(250,  
255, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor