

# Converting Colors

XYZ(89.9754, 93.9047, 89.5435)

Have a look what the booklet for  
XYZ(89.9754, 93.9047, 89.5435)  
contains.

<b>XYZ(89.0663, 93.6077, 89.7177)</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(89.0663, 93.6077,  
89.7177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7E8
RGB	255, 247, 232
RGB Percent	100%, 97%, 91%
CMY	0.0000, 0.0313, 0.0902
CMYK	0.00, 0.03, 0.09, 0.00
HSL	39°, 100%, 95%
HSV	39°, 9%, 100%
XYZ	89.0663, 93.6077, 89.7177
YIQ	247.6820, 9.5830, -2.9690

# Conversions

## Conversions Part 2

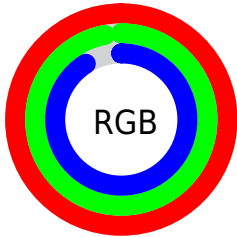
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 255, 232
Decimal	16775144
CIE <sub>Lab</sub>	97.47, 0.17, 8.14
CIE <sub>LCh</sub>	97, 8.146, 88.776
Yxy	93.6077, 0.3270, 0.3437
Android (android.graphics.Color)	4294965224 (0xFFFFF7E8)
YUV	247.6820, -7.7312, 6.4179
Hunter-Lab	96.7511, -4.9923, 12.7459

# Details

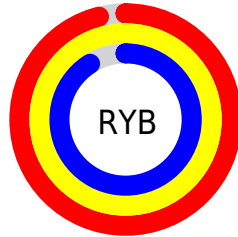
The XYZ color 89.0663, 93.6077, 89.7177 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.4881, 86.6938, 106.9937, and the grayscale version is 89.0210, 93.6570, 101.9925.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7560, 52.4020, 48.5665 is the 20% darker color. If you saturate the color by 10%, you get 83.0577, 86.9728, 71.1224, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

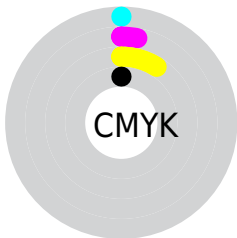
# Distribution



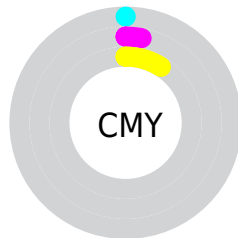
- Red (100%)
- Green (97%)
- Blue (91%)



- Red (96%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0663, 93.6077, 89.7177 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 89.0663, 93.6077, 89.7177 by changing the saturation by 10% instead.




 89.0663, 93.6077,  
89.7177

 89.0663, 93.6077,  
89.7177


513.2721,  
539.6980, 547.6585

 67.5402, 70.9767,  
67.1741


144.9257,  
152.3397, 148.8783

 49.7961, 52.3232,  
48.7637

179.9898,  
189.2095, 186.3324

 35.4685, 37.2627,  
34.0678


220.2972,  
231.5943, 229.5938

 24.1922, 25.4110,  
22.6679

266.2133,  
279.8786, 279.0810

 15.6018, 16.3835,  
14.1455

318.1035,  
334.4467, 335.2125

 9.3319, 9.7959,  
8.0820

376.3331,

 5.0171, 5.2639,

395.6830, 398.4069

4.0589

441.2676,  
463.9720, 469.0827

■ 2.2922, 2.4029,  
1.6577

■ 0.7907, 0.8274,  
0.3315

■ 89.0663, 93.6077,  
89.7177

■ 89.0663, 93.6077,  
89.7177

■ 83.0577, 86.9728,  
71.1224

95.0500, 100.0000,  
108.9000

■ 77.6772, 80.7894,  
55.2169

■ 72.9010, 75.0482,  
41.8752

■ 68.7010, 69.7350,  
30.9590

■ 65.0467, 64.8345,  
22.3167

■ 61.9042, 60.3302,  
15.7797

■ 59.2351, 56.2034,  
11.1553

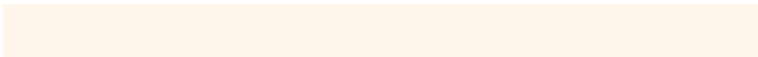
■ 56.9941, 52.4329,  
8.2154

■ 55.1154, 48.9888,  
6.6227

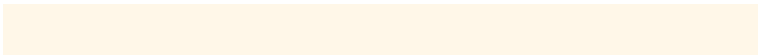
# Harmonies

## Analogous

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



91.2956, 93.6077, 91.4194



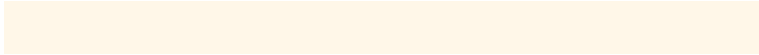
89.0663, 93.6077, 89.7177



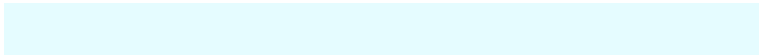
86.8486, 93.6077, 91.1667

# Triad

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



89.0663, 93.6077, 89.7177



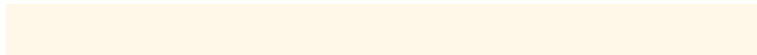
85.1317, 93.6077, 108.1748



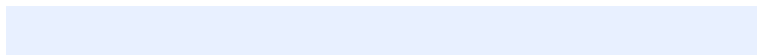
92.8269, 93.6077, 108.6656

# Complementary

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



89.0663, 93.6077, 89.7177



82.4881, 86.6938, 106.9937

# Split Complementary

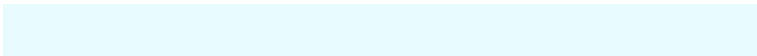
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1283, 93.6077, 113.4934



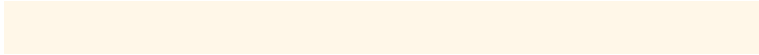
89.0663, 93.6077, 89.7177



86.6869, 93.6077, 113.2015

# Square

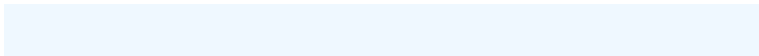
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0663, 93.6077, 89.7177



84.6008, 93.6077, 101.6512



88.8764, 93.6077, 115.1876

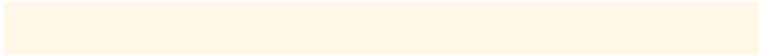


93.4898, 93.6077, 102.1951



# Rectangle

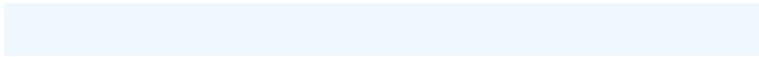
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0663, 93.6077, 89.7177



85.6697, 93.6077, 93.7615



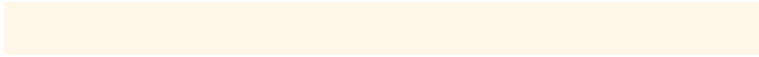
88.8764, 93.6077, 115.1876



92.3567, 93.6077, 110.5446

# Sweetspot

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



89.0684, 93.6115, 89.7197



93.0002, 97.8322, 102.2610



85.8329, 85.2685, 94.4125



19.7908, 20.8177, 21.5177



0.0000, 0.0000, 0.0000

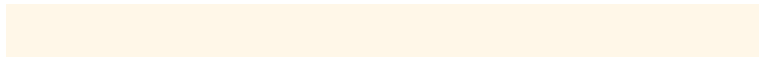


20.3446, 21.4041, 23.3091

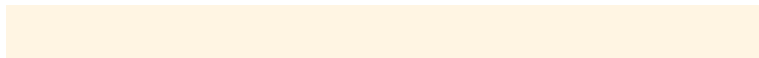


# Same Dimension

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



89.0684, 93.6115, 89.7197



87.8264, 92.2595, 85.8158



90.3079, 97.9579, 90.4933



18.9986, 19.9654, 18.9967



28.8538, 25.7188, 3.4435

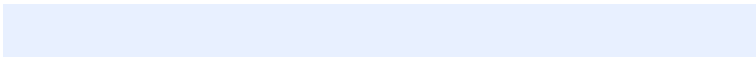


2.9117, 2.7087, 0.3694

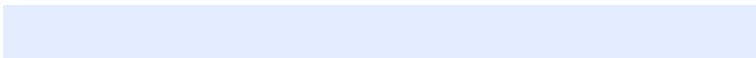


# Inverse Universe

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



82.4881, 86.6938, 106.9937



79.9101, 83.9375, 106.5976



81.3173, 82.6734, 106.2794



17.5193, 18.4102, 22.8801



11.4077, 7.7249, 50.3244

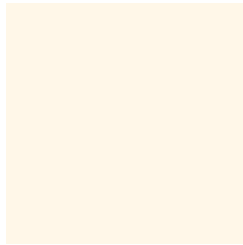


1.2083, 0.9472, 4.9324



# Previews

## White Background



This preview shows how the XYZ color 89.0663, 93.6077, 89.7177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

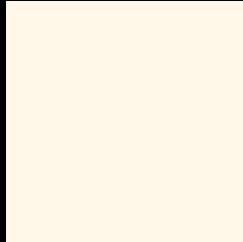
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.0663, 93.6077, 89.7177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

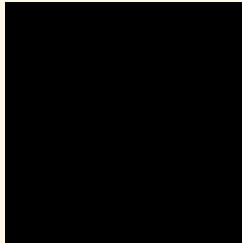
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 89.0663, 93.6077, 89.7177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.0663, 93.6077, 89.7177.



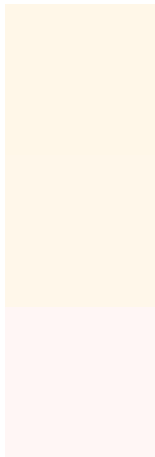
This preview shows how white text looks on a background with the XYZ color 89.0663, 93.6077, 89.7177.

89.777.

# 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

89.0663, 93.6077, 89.7177

### Protanopia

89.3520, 93.7220, 91.2227

### Deuteranopia

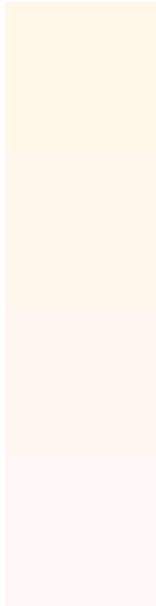
90.6772, 93.7641, 99.7053



## Tritanopia

91.5755, 93.5956, 107.8470

# Trichromacy



## Original Color

89.0663, 93.6077, 89.7177

## Protanomaly

89.2087, 93.6647, 90.4681

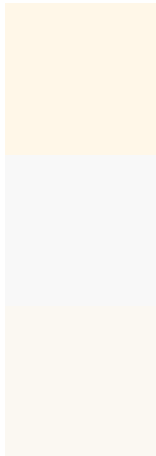
## Deuteranomaly

89.9239, 93.4628, 95.7387

## Tritanomaly

90.6173, 93.6978, 101.3051

# Monochromacy



## Original Color

89.0663, 93.6077, 89.7177

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.3781, 94.0548, 97.4481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.0663, 93.6077, 89.7177 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, 232) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 89.0663, 93.6077, 89.7177 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, 232) }
```



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

```
.border{ border-color:rgb(255, 247, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.0663, 93.6077, 89.7177 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
247, 232) }
```

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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