

# Converting Colors

XYZ(101.1475, 100.0000,  
84.4045)

Have a look what the booklet for  
XYZ(101.1475, 100.0000, 84.4045)  
contains.

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# Color

**XYZ(87.9553, 93.1633,  
83.8676)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF7E0
RGB	255, 247, 224
RGB Percent	100%, 97%, 88%
CMY	0.0000, 0.0313, 0.1216
CMYK	0.00, 0.03, 0.12, 0.00
HSL	45°, 100%, 94%
HSV	45°, 12%, 100%
XYZ	87.9553, 93.1633, 83.8676
YIQ	246.7700, 12.1510, -5.4570

# Conversions

## Conversions Part 2

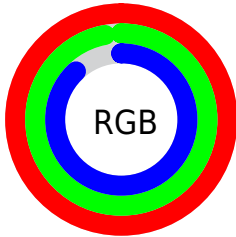
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	235, 255, 224
Decimal	16775136
CIE Lab	97.29, -1.09, 12.00
CIE LCh	97, 12.051, 95.207
Yxy	93.1633, 0.3319, 0.3516
Android (android.graphics.Color)	4294965216 (0xFFFFF7E0)
YUV	246.7700, -11.2256, 7.2177
Hunter-Lab	96.5211, -6.2531, 16.0475

# Details

The XYZ color **87.9553, 93.1633, 83.8676** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6465, 80.7784, 106.1071**, and the grayscale version is **88.3045, 92.9032, 101.1716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0809, 52.1319, 45.0117** is the 20% darker color. If you saturate the color by 10%, you get **82.7779, 87.9342, 66.3402**, and if you desaturate by 10%, it is **93.7266, 98.7496, 104.1542**.

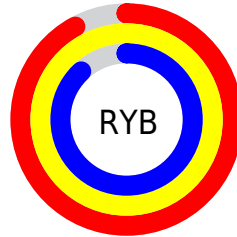
# Distribution



Red (100%)

Green (97%)

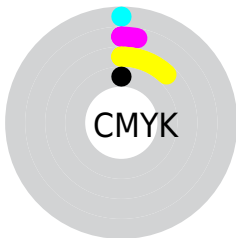
Blue (88%)



Red (92%)

Yellow (100%)

Blue (88%)

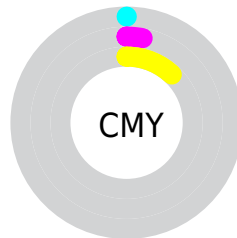


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9553, 93.1633, 83.8676 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 87.9553, 93.1633, 83.8676 by changing the saturation by 10% instead.




 87.9553, 93.1633,  
83.8676

 87.9553, 93.1633,  
83.8676


509.6944,  
538.2681, 527.9200

 66.6167, 70.6072,  
62.3614


143.3878,  
151.7247, 140.6500

 49.0428, 52.0217,  
44.8871


178.2124,  
188.4988, 176.7633

 34.8681, 37.0224,  
31.0262


218.2630,  
230.7810, 218.5827

 23.7273, 25.2248,  
20.3602

263.9051,  
278.9558, 266.5267

 15.2551, 16.2446,  
12.4704

315.5039,  
333.4075, 321.0139

 9.0861, 9.6974,  
6.9385

373.4248,

 4.8549, 5.1988,

394.5205, 382.4628

3.3458

438.0332,  
462.6793, 451.2920

■ 2.1963, 2.3644,  
1.2738

■ 0.7408, 0.8075,  
0.0402

■ 87.9553, 93.1633,  
83.8676

■ 87.9553, 93.1633,  
83.8676

■ 82.7779, 87.9342,  
66.3402

■ 93.7266, 98.7496,  
104.1542

■ 78.1643, 83.0398,  
51.4447

95.0500, 100.0000,  
108.9000

■ 74.0912, 78.4728,  
39.0525

■ 70.5308, 74.2209,  
29.0217

■ 67.4530, 70.2708,  
21.1963

■ 64.8237, 66.6076,  
15.4015

■ 62.6040, 63.2146,  
11.4356

■ 60.7468, 60.0715,  
9.0552

■ 59.4893, 57.7585,  
8.0131

# Harmonies

## Analogous

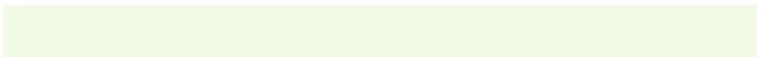
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3264, 93.1633, 85.3321



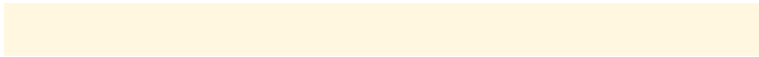
87.9553, 93.1633, 83.8676



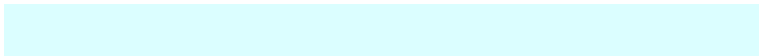
84.8230, 93.1633, 86.8595

# Triad

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



87.9553, 93.1633, 83.8676



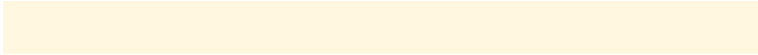
83.3000, 93.1633, 112.6524



94.6344, 93.1633, 109.5171

# Complementary

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



87.9553, 93.1633, 83.8676



77.6465, 80.7784, 106.1071

# Split Complementary

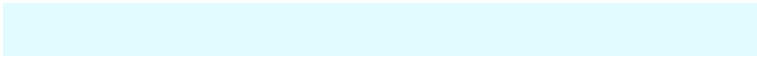
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3823, 93.1633, 117.5650



87.9553, 93.1633, 83.8676



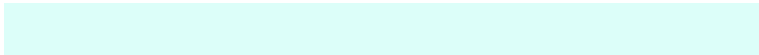
85.8284, 93.1633, 119.4550

# Square

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



87.9553, 93.1633, 83.8676



82.1797, 93.1633, 103.1525



89.1452, 93.1633, 121.3077

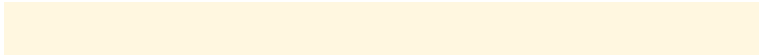


95.2390, 93.1633, 99.7446

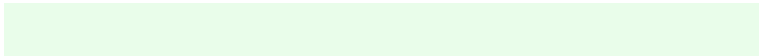


# Rectangle

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



87.9553, 93.1633, 83.8676



83.2739, 93.1633, 91.0990



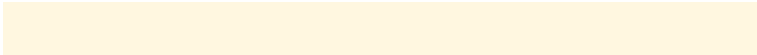
89.1452, 93.1633, 121.3077



94.0421, 93.1633, 112.5332

# Sweetspot

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



87.9574, 93.1672, 83.8696



92.6175, 97.6935, 100.2015



82.4998, 80.4138, 87.7169



19.7284, 20.8190, 21.1080



0.0000, 0.0000, 0.0000

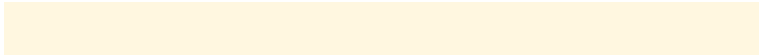


20.3446, 21.4041, 23.3091



# Same Dimension

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



87.9574, 93.1672, 83.8696



86.4255, 91.6439, 78.6092



87.8437, 96.8158, 84.5798



19.1414, 20.2511, 19.0443



31.2114, 30.4340, 4.2293



3.1271, 3.1395, 0.4412



# Inverse Universe

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



77.6465, 80.7784, 106.1071



73.9546, 76.6607, 105.5069



77.7370, 77.5604, 105.4812



17.3837, 18.1391, 22.8349



10.5433, 5.9961, 50.0363

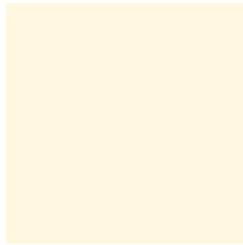


1.1102, 0.7511, 4.8997



# Previews

## White Background



This preview shows how the XYZ color 87.9553, 93.1633, 83.8676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

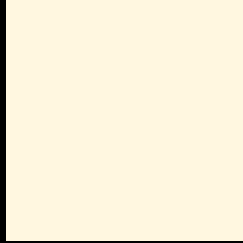
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.9553, 93.1633, 83.8676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

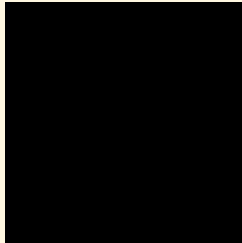
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.9553, 93.1633, 83.8676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.9553, 93.1633, 83.8676.



This preview shows how white text looks on a background with the XYZ color 87.9553, 93.1633,

83.8676.

# 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

87.9553, 93.1633, 83.8676

### Protanopia

88.6436, 93.4387, 87.4922

### Deuteranopia

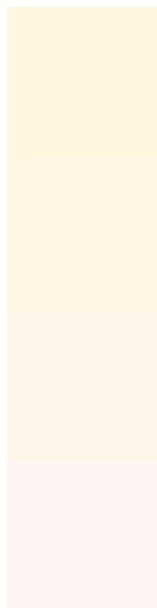
89.9194, 92.9756, 97.2112



## Tritanopia

91.6407, 93.1814, 107.7636

# Trichromacy



## Original Color

87.9553, 93.1633, 83.8676

## Protanomaly

88.3659, 93.3276, 86.0297

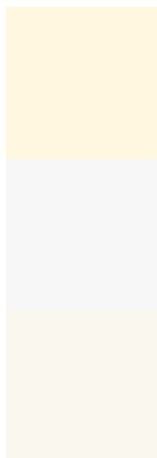
## Deuteranomaly

89.1912, 93.1697, 91.8799

## Tritanomaly

90.2215, 93.0965, 98.8022

# Monochromacy



## Original Color

87.9553, 93.1633, 83.8676

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.2651, 93.0775, 94.9750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.9553, 93.1633, 83.8676 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 87.9553, 93.1633, 83.8676 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, 224) }
```



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

```
.border{ border-color:rgb(255, 247, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.9553, 93.1633, 83.8676 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
247, 224) }
```

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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