

# Converting Colors

XYZ(101.2994, 102.6084,  
89.3393)

Have a look what the booklet for  
XYZ(101.2994, 102.6084, 89.3393)  
contains.

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# Color

**XYZ(90.6482, 97.2237,  
88.8513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDE6
RGB	255, 253, 230
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0078, 0.0980
CMYK	0.00, 0.01, 0.10, 0.00
HSL	55°, 100%, 95%
HSV	55°, 10%, 100%
XYZ	90.6482, 97.2237, 88.8513
YIQ	250.9760, 8.5750, -6.7290

# Conversions

## Conversions Part 2

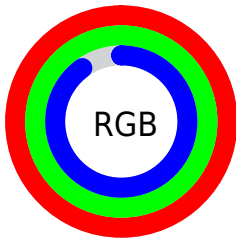
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 255, 230
Decimal	16776678
CIE Lab	98.92, -3.16, 11.24
CIE LCh	99, 11.674, 105.730
Yxy	97.2237, 0.3276, 0.3513
Android (android.graphics.Color)	4294966758 (0xFFFFFDE6)
YUV	250.9760, -10.3412, 3.5290
Hunter-Lab	98.6021, -8.4526, 15.5947

# Details

The XYZ color 90.6482, 97.2237, 88.8513 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 79.5392, 81.7541, 106.1957, and the grayscale version is 91.7548, 96.5332, 105.1246.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6686, 54.5416, 47.9015 is the 20% darker color. If you saturate the color by 10%, you get 86.6879, 94.6208, 71.1376, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

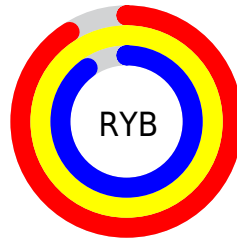
# Distribution



Red (100%)

Green (99%)

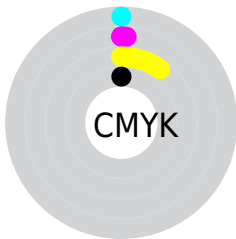
Blue (90%)



Red (91%)

Yellow (100%)

Blue (90%)

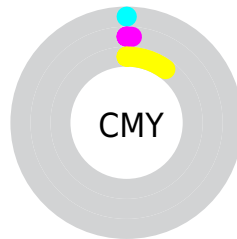


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6482, 97.2237, 88.8513 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 90.6482, 97.2237, 88.8513 by changing the saturation by 10% instead.




 90.6482, 97.2237,  
88.8513

 90.6482, 97.2237,  
88.8513


518.3437,  
551.2597, 544.7604

 68.8564, 73.9871,  
66.4600

147.1122,  
157.3332, 147.6633

 50.8710, 54.7835,  
48.1871


182.5152,  
194.9749, 184.9211

 36.3266, 39.2284,  
33.6140


223.1859,  
238.1871, 227.9714

 24.8578, 26.9375,  
22.3223

269.4898,  
287.3542, 277.2328

 16.0993, 17.5263,  
13.8933

321.7922,  
342.8607, 333.1239

 9.6858, 10.6104,  
7.9086

380.4583,

 5.2518, 5.8055,

405.0908, 396.0632

3.9496

445.8537,  
474.4290, 466.4692

■ 2.4320, 2.7272,  
1.5977

■ 0.8611, 0.9910,  
0.2892

■ 90.6482, 97.2237,  
88.8513

■ 90.6482, 97.2237,  
88.8513

■ 86.6879, 94.6208,  
71.1376

95.0500, 100.0000,  
108.9000

■ 83.2335, 92.2281,  
56.0638

■ 80.2629, 90.0397,  
43.5039

■ 77.7497, 88.0452,  
33.3193

■ 75.6650, 86.2329,  
25.3579

■ 73.9766, 84.5899,  
19.4500

■ 72.6476, 83.1014,  
15.4015

■ 71.6341, 81.7498,  
12.9812

■ 70.8657, 80.5069,  
11.8188

# Harmonies

## Analogous

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



94.0280, 97.2237, 88.7415



90.6482, 97.2237, 88.8513



87.8083, 97.2237, 93.3284

# Triad

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



90.6482, 97.2237, 88.8513



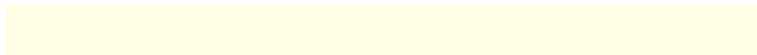
87.9221, 97.2237, 119.8320



98.8859, 97.2237, 110.5396

# Complementary

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



90.6482, 97.2237, 88.8513



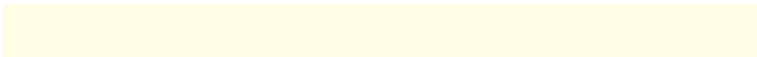
79.5392, 81.7541, 106.1957

# Split Complementary

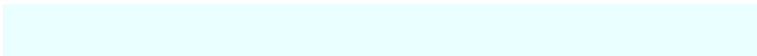
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1660, 97.2237, 119.4661



90.6482, 97.2237, 88.8513



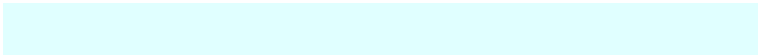
90.8071, 97.2237, 125.0497

# Square

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



90.6482, 97.2237, 88.8513



86.2609, 97.2237, 111.0144



94.1909, 97.2237, 124.9118



98.8408, 97.2237, 100.8678

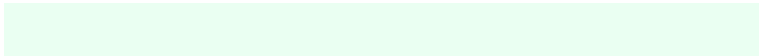


# Rectangle

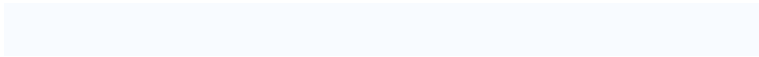
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.6482, 97.2237, 88.8513



86.5791, 97.2237, 98.3537



94.1909, 97.2237, 124.9118



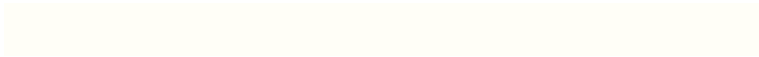
98.4932, 97.2237, 113.7390

# Sweetspot

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



90.6504, 97.2277, 88.8534



93.6482, 99.1283, 102.4770



84.1149, 83.6857, 88.1270



19.9662, 21.1684, 21.5762



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.



90.6504, 97.2277, 88.8534



89.7352, 96.6362, 84.7289



87.5545, 96.5710, 88.8898



19.4300, 20.8281, 19.1405



37.0733, 42.1579, 6.1833



3.6449, 4.1753, 0.6138



# Inverse Universe

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



79.5392, 81.7541, 106.1957



76.3401, 77.9823, 105.6363



82.4245, 82.4132, 106.1708



17.1194, 17.6104, 22.7468



9.6059, 4.1215, 49.7238



0.9735, 0.4777, 4.8542



# Previews

## White Background



This preview shows how the XYZ color 90.6482, 97.2237, 88.8513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

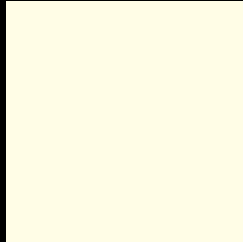
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.6482, 97.2237, 88.8513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

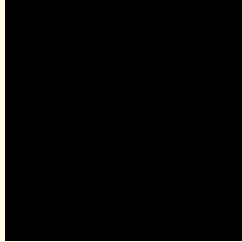
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 90.6482, 97.2237, 88.8513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.6482, 97.2237, 88.8513.



This preview shows how white text looks on a background with the XYZ color 90.6482, 97.2237,



# 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

90.6482, 97.2237, 88.8513



### Protanopia

92.5318, 97.4734, 100.3235

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

93.4202, 97.2852, 108.4619

# Trichromacy



**Original Color**

90.6482, 97.2237, 88.8513

**Protanomaly**

91.7786, 97.1721, 96.3569

**Deuteranomaly**

92.2281, 97.3519, 98.7239

**Tritanomaly**

92.3180, 97.3455, 101.1127

# Monochromacy



**Original Color**

90.6482, 97.2237, 88.8513



**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 90.6482, 97.2237, 88.8513 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 90.6482, 97.2237, 88.8513 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, 230) }
```



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

```
.border{ border-color:rgb(255, 253, 230) }
```

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, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.6482, 97.2237, 88.8513 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
253, 230) }
```

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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