

# Converting Colors

XYZ(90.3440, 98.0943, 85.1709)

Have a look what the booklet for  
XYZ(90.3440, 98.0943, 85.1709)  
contains.

<b>XYZ(90.2237, 98.0271, 85.4000)</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(90.2237, 98.0271,  
85.4000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFFE1
RGB	254, 255, 225
RGB Percent	100%, 100%, 88%
CMY	0.0039, 0.0000, 0.1176
CMYK	0.00, 0.00, 0.12, 0.00
HSL	62°, 100%, 94%
HSV	62°, 12%, 100%
XYZ	90.2237, 98.0271, 85.4000
YIQ	251.2810, 9.0340, -9.5420

# Conversions

## Conversions Part 2

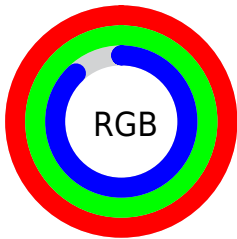
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 255, 226
Decimal	16711649
CIE <sub>Lab</sub>	99.23, -5.29, 14.23
CIE <sub>LCh</sub>	99, 15.186, 110.406
Yxy	98.0271, 0.3297, 0.3582
Android (android.graphics.Color)	4294901729 (0xFFFEFE1)
YUV	251.2810, -12.9565, 2.3846
Hunter-Lab	99.0086, -10.6032, 18.1654

# Details

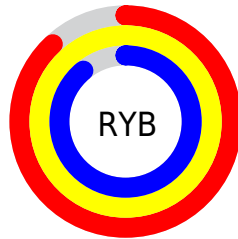
The XYZ color 90.2237, 98.0271, 85.4000 is a light color, and the websafe version is hex FFFFC. A complement of this color would be 76.3401, 77.2404, 105.4931, and the grayscale version is 92.0264, 96.8189, 105.4358.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4757, 55.1608, 46.0169 is the 20% darker color. If you saturate the color by 10%, you get 86.6906, 96.5781, 68.4113, and if you desaturate by 10%, it is 94.2791, 99.6853, 105.1279.

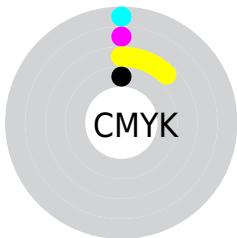
# Distribution



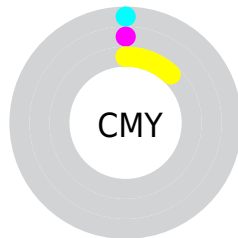
- Red (100%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.2237, 98.0271, 85.4000 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 90.2237, 98.0271, 85.4000 by changing the saturation by 10% instead.




 90.2237, 98.0271,  
85.4000

 90.2237, 98.0271,  
85.4000


516.9853,  
553.8112, 533.1298

 68.5031, 74.6570,  
63.6199


146.5259,  
158.4401, 142.8110

 50.5823, 55.3319,  
45.8987


181.8381,  
196.2518, 179.2790

 36.0960, 39.6675,  
31.8178


222.4116,  
239.6461, 221.4801

 24.6788, 27.2794,  
20.9587

268.6117,  
289.0075, 269.8327

 15.9654, 17.7832,  
12.9029

320.8038,  
344.7203, 324.7554

 9.5903, 10.7944,  
7.2317

379.3532,

 5.1884, 5.9288,

407.1689, 386.6668

3.5268

444.6252,  
476.7377, 455.9854

■ 2.3941, 2.8018,  
1.3695

■ 0.8422, 1.0292,  
0.1178

■ 90.2237, 98.0271,  
85.4000

■ 90.2237, 98.0271,  
85.4000

■ 86.6906, 96.5781,  
68.4113

■ 94.2791, 99.6853,  
105.1279

■ 83.6549, 95.3281,  
54.0365

■ 95.0500, 100.0000,  
108.9000

■ 81.0925, 94.2677,  
42.1472

■ 78.9767, 93.3860,  
32.6023

■ 77.2780, 92.6714,  
25.2467

■ 75.9634, 92.1105,  
19.9066

■ 74.9949, 91.6882,  
16.3819

■ 74.3267, 91.3862,  
14.4314

■ 73.9449, 91.2050,  
13.7070

# Harmonies

## Analogous

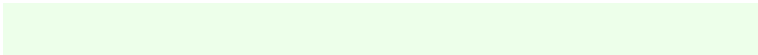
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6033, 98.0271, 84.3753



90.2237, 98.0271, 85.4000



86.7404, 98.0271, 91.8836

# Triad

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



90.2237, 98.0271, 85.4000



87.8306, 98.0271, 126.7275



101.8548, 98.0271, 110.8660

# Complementary

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



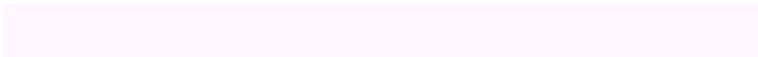
90.2237, 98.0271, 85.4000



76.3401, 77.2404, 105.4931

# 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.



99.9135, 98.0271, 123.1058



90.2237, 98.0271, 85.4000



91.7548, 98.0271, 132.7319

# Square

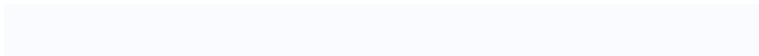
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



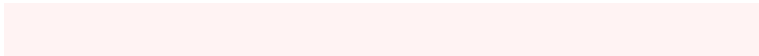
90.2237, 98.0271, 85.4000



85.3895, 98.0271, 115.4981



96.1835, 98.0271, 131.3563



101.4131, 98.0271, 98.4264

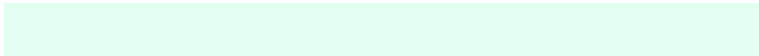


# Rectangle

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



90.2237, 98.0271, 85.4000



85.3504, 98.0271, 98.7359



96.1835, 98.0271, 131.3563



101.4570, 98.0271, 115.1546

# Sweetspot

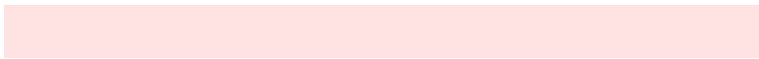
The Sweet Spot groups the original color and five complimentary colors.



90.2243, 98.0274, 85.4014



93.3261, 99.2960, 100.4734



81.8920, 80.8186, 82.5190



19.9083, 21.2259, 21.1771



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.



90.2243, 98.0274, 85.4014



89.3897, 97.6855, 81.3689



85.1169, 95.3944, 85.1624



19.4979, 21.0581, 19.1813



38.6645, 47.6703, 7.1635



3.7826, 4.6508, 0.6983



# Inverse Universe

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



76.3401, 77.2404, 105.4931



73.1232, 73.3317, 104.9082



81.0813, 79.6846, 105.7150



17.0589, 17.4066, 22.7107



9.5112, 3.8137, 49.6694

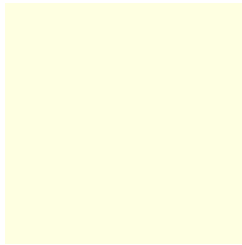


0.9449, 0.3810, 4.8370



# Previews

## White Background



This preview shows how the XYZ color 90.2237, 98.0271, 85.4000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

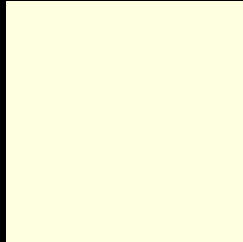
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.2237, 98.0271, 85.4000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

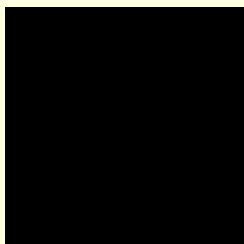
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 90.2237, 98.0271, 85.4000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.2237, 98.0271, 85.4000.



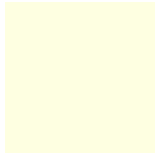
This preview shows how white text looks on a background with the XYZ color 90.2237, 98.0271,

85.400.

# 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

90.2237, 98.0271, 85.4000



### Protanopia

93.1538, 98.2260, 102.0455

### Deuteranopia

93.4630, 97.8458, 105.2269

## **Tritanopia**

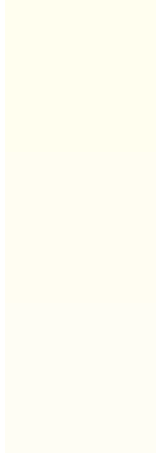
93.7335, 97.9116, 108.5663

# Trichromacy



## Original Color

90.2237, 98.0271, 85.4000



## Protanomaly

92.2618, 98.3756, 95.7870

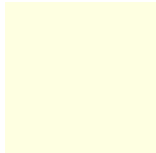
## Deuteranomaly

92.3923, 97.9214, 98.0355

## Tritanomaly

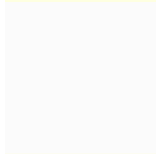
92.3275, 97.8530, 99.6093

# Monochromacy



## Original Color

90.2237, 98.0271, 85.4000



## Achromatopsia

91.6934, 96.4686, 105.0543



## Achromatomaly

90.9823, 96.7271, 97.8793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.2237, 98.0271, 85.4000 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(254, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 225)  
}
```

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(254, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 90.2237, 98.0271, 85.4000 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(254, 255, 225) }
```



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

```
.border{ border-color:rgb(254, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.2237, 98.0271, 85.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 225) }
```

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

```
.background{ background-color: rgb(254,  
255, 225) }
```

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