

Converting Colors

XYZ(91.1245, 100.0000,
85.4922)

Have a look what the booklet for
XYZ(91.1245, 100.0000, 85.4922)
contains.

XYZ(90.2237, 98.0271, 85.4000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	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

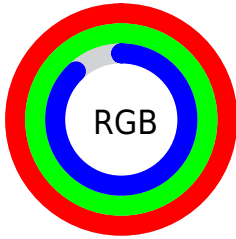
Format	Color
R _Y B	225, 255, 226
Decimal	16711649
CIE Lab	99.23, -5.29, 14.23
CIE LCh	99, 15.186, 110.406
Yxy	98.0271, 0.3297, 0.3582
Android (android.graphics.Color)	4294901729 (0xFFFEFE1)
YUV	251.2810, -12.9565, 2.3846
Hunter-Lab	99.0086, -10.6032, 18.1654

Details

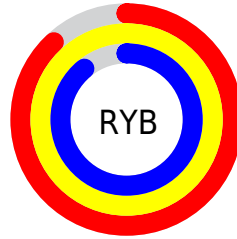
The XYZ color **90.2237, 98.0271, 85.4000** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.3401, 77.2404, 105.4931**, and the grayscale version is **92.0264, 96.8189, 105.4358**.

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**.

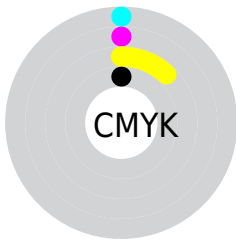
Distribution



- 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

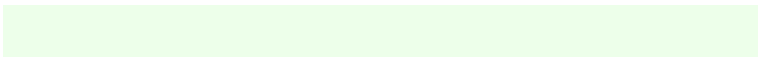
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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.



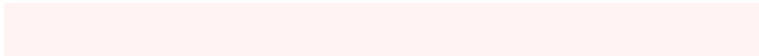
90.2237, 98.0271, 85.4000



85.3895, 98.0271, 115.4981



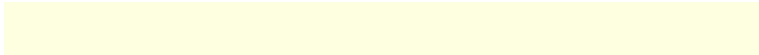
96.1835, 98.0271, 131.3563



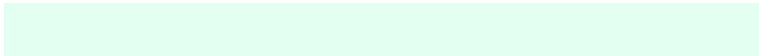
101.4131, 98.0271, 98.4264

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



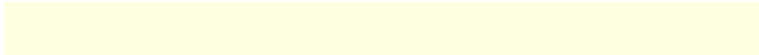
96.1835, 98.0271, 131.3563



101.4570, 98.0271, 115.1546

Sweetspot

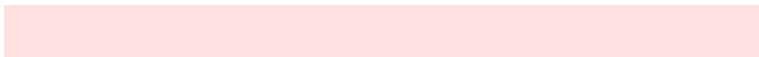
The Sweet Spot groups the original color and five complimentary colors.



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



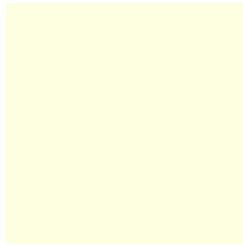
9.5112, 3.8137, 49.6694



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

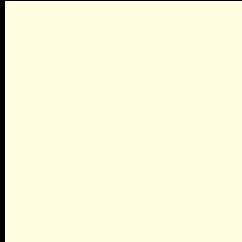
Large Text (above 18pt) WCAG AA × Fail

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

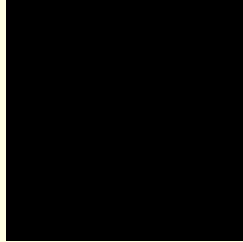
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

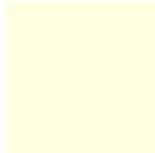


This preview shows how white text looks on a background with the XYZ color 90.2237, 98.0271,

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

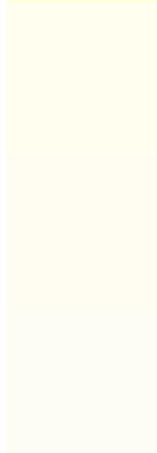
93.7335, 97.9116, 108.5663

Trichromacy



Original Color

90.2237, 98.0271, 85.4000



Protanomaly

92.2618, 98.3756, 95.7870

Deuteranomaly

92.3923, 97.9214, 98.0355

Tritanomaly

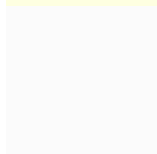
92.3275, 97.8530, 99.6093

Monochromacy



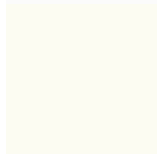
Original Color

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