

Converting Colors

XYZ(87.7481, 100.0000,
70.6299)

Have a look what the booklet for
XYZ(87.7481, 100.0000, 70.6299)
contains.

XYZ(85.8450, 96.1083, 69.9033)	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(85.8450, 96.1083,
69.9033)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFFCA
RGB	250, 255, 202
RGB Percent	98%, 100%, 79%
CMY	0.0196, 0.0000, 0.2078
CMYK	0.02, 0.00, 0.21, 0.00
HSL	66°, 100%, 90%
HSV	66°, 21%, 100%
XYZ	85.8450, 96.1083, 69.9033
YIQ	247.4630, 14.0330, -17.5430

Conversions

Conversions Part 2

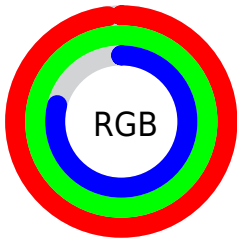
Format	Color
R _Y B	202, 255, 207
Decimal	16449482
CIE Lab	98.48, -10.11, 24.84
CIE LCh	98, 26.817, 112.158
Yxy	96.1083, 0.3408, 0.3816
Android (android.graphics.Color)	4294639562 (0xFFFAFFCA)
YUV	247.4630, -22.4133, 2.2249
Hunter-Lab	98.0348, -15.2560, 26.3479

Details

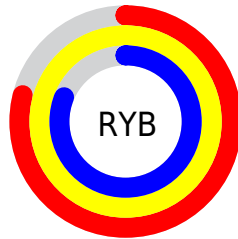
The XYZ color **85.8450, 96.1083, 69.9033** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.9036, 62.7277, 103.2946**, and the grayscale version is **88.9530, 93.5854, 101.9145**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5317, 53.8637, 35.9085** is the 20% darker color. If you saturate the color by 10%, you get **82.2143, 94.5570, 55.2534**, and if you desaturate by 10%, it is **89.9867, 97.8652, 87.1840**.

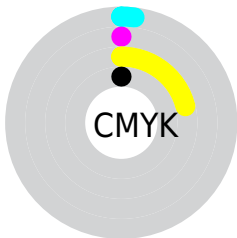
Distribution



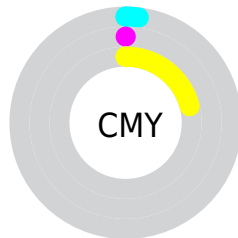
- Red (98%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (81%)



- Cyan (2%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8450, 96.1083, 69.9033 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 85.8450, 96.1083, 69.9033 by changing the saturation by 10% instead.


 85.8450, 96.1083,
69.9033

 85.8450, 96.1083,
69.9033


502.8616,
547.7070, 478.9904

 64.8646, 73.0578,
50.9714


140.4611,
155.7949, 120.7507

 47.6156, 54.0232,
35.8093


174.8276,
193.1997, 153.5032

 33.7326, 38.6202,
23.9984


214.3868,
236.1581, 191.6997

 22.8502, 26.4644,
15.1202

259.5041,
285.0544, 235.7587

 14.6030, 17.1714,
8.7563

310.5449,
340.2731, 286.0987

 8.6257, 10.3568,
4.4879

367.8745,

 4.5530, 5.6361,

402.1985, 343.1383

1.8966

431.8583,
471.2150, 407.2960

■ 2.0195, 2.6251,
0.4906

■ 0.6449, 0.9393,
0.0000

■ 85.8450, 96.1083,
69.9033

■ 85.8450, 96.1083,
69.9033

■ 82.2143, 94.5570,
55.2534

■ 89.9867, 97.8652,
87.1840

■ 79.0685, 93.2010,
43.1013

94.6607, 99.8363,
107.2114

■ 76.3815, 92.0298,
33.3084

95.0500, 100.0000,
108.9000

■ 74.1242, 91.0318,
25.7212

■ 72.2639, 90.1937,
20.1680

■ 70.7631, 89.5007,
16.4517

■ 69.5770, 88.9349,
14.3363

■ 68.6973, 88.4998,
13.4614

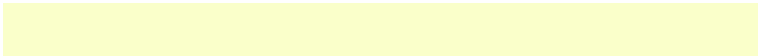
Harmonies

Analogous

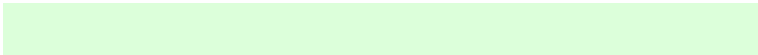
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3953, 96.1083, 67.8219



85.8450, 96.1083, 69.9033



80.0838, 96.1083, 80.5979

Triad

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



85.8450, 96.1083, 69.9033



82.5121, 96.1083, 142.0742



106.9114, 96.1083, 110.5742

Complementary

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



85.8450, 96.1083, 69.9033



64.9036, 62.7277, 103.2946

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.



103.6219, 96.1083, 133.0559



85.8450, 96.1083, 69.9033



89.3309, 96.1083, 152.8448

Square

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



85.8450, 96.1083, 69.9033



78.2367, 96.1083, 121.5720



97.0814, 96.1083, 149.3303



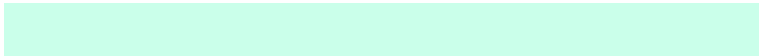
105.8480, 96.1083, 89.3681

Rectangle

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



85.8450, 96.1083, 69.9033



77.8913, 96.1083, 92.1128



97.0814, 96.1083, 149.3303



106.2718, 96.1083, 118.2665

Sweetspot

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



85.8455, 96.1085, 69.9047



92.1546, 98.7807, 96.4141



74.0731, 69.8688, 65.4604



19.6600, 21.1158, 20.3588



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

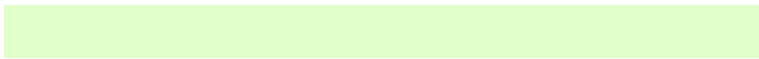
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8455, 96.1085, 69.9047



84.2536, 95.4298, 63.4137



77.1876, 91.6452, 69.4995



19.3823, 20.9985, 19.1759



35.9652, 46.2788, 7.0371



3.5490, 4.5303, 0.6874

Inverse Universe

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



64.9036, 62.7277, 103.2946



59.8304, 56.4967, 102.3593



72.7484, 66.7718, 103.6617



17.1619, 17.4597, 22.7155



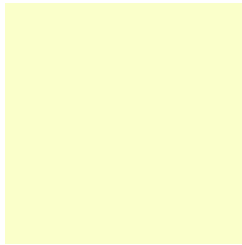
9.6817, 3.9016, 49.6774



0.9936, 0.4061, 4.8393

Previews

White Background



This preview shows how the XYZ color 85.8450, 96.1083, 69.9033 looks on a white background.

Color Contrast Check

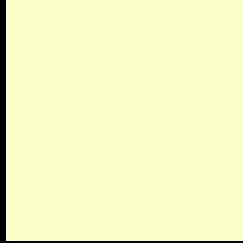
Large Text (above 18pt) WCAG AA × Fail

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 85.8450, 96.1083, 69.9033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

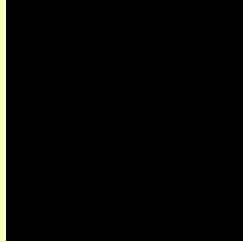
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8450, 96.1083, 69.9033

Background



This preview shows how black text looks on a background with the XYZ color 85.8450, 96.1083, 69.9033.

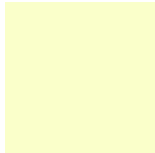


This preview shows how white text looks on a background with the XYZ color 85.8450, 96.1083,

Color Blindness Simulation

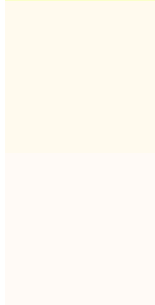
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.8450, 96.1083, 69.9033



Protanopia

90.8582, 95.8043, 94.5922

Deuteranopia

92.0602, 96.2850, 100.9216

Tritanopia

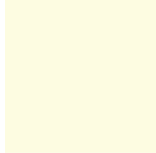
92.4337, 95.8540, 108.2376

Trichromacy



Original Color

85.8450, 96.1083, 69.9033



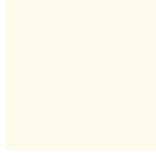
Protanomaly

88.9090, 95.9397, 85.0664



Deuteranomaly

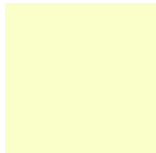
89.6013, 96.2166, 88.7121



Tritanomaly

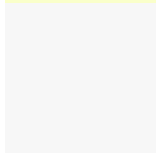
89.7824, 95.7459, 93.1057

Monochromacy



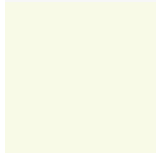
Original Color

85.8450, 96.1083, 69.9033



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.3208, 94.0972, 89.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8450, 96.1083, 69.9033 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(250, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 202)  
}
```

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(250, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 85.8450, 96.1083, 69.9033 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(250, 255, 202) }
```


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

```
.border{ border-color:rgb(250, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(250, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8450, 96.1083, 69.9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 202) }
```

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

```
.background{ background-color: rgb(250,  
255, 202) }
```

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