

Converting Colors

XYZ(100.0040, 100.0000,
70.5830)

Have a look what the booklet for
XYZ(100.0040, 100.0000, 70.5830)
contains.

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Color

**XYZ(85.5869, 92.7066,
69.8832)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8CB
RGB	255, 248, 203
RGB Percent	100%, 97%, 80%
CMY	0.0000, 0.0274, 0.2039
CMYK	0.00, 0.03, 0.20, 0.00
HSL	52°, 100%, 90%
HSV	52°, 20%, 100%
XYZ	85.5869, 92.7066, 69.8832
YIQ	244.9630, 18.6170, -12.5110

Conversions

Conversions Part 2

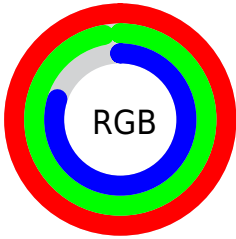
Format	Color
R_{YB}	211, 255, 203
Decimal	16775371
CIE _{Lab}	97.11, -4.71, 22.50
CIE _{LCh}	97, 22.984, 101.819
Yxy	92.7066, 0.3449, 0.3736
Android (android.graphics.Color)	4294965451 (0xFFFFF8CB)
YUV	244.9630, -20.6878, 8.8024
Hunter-Lab	96.2843, -9.8292, 24.3663

Details

The XYZ color **85.5869, 92.7066, 69.8832** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7247, 66.0079, 103.8845**, and the grayscale version is **86.9139, 91.4402, 99.5784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5632, 51.8750, 35.9398** is the 20% darker color. If you saturate the color by 10%, you get **81.7504, 89.5033, 54.8250**, and if you desaturate by 10%, it is **89.9470, 96.1565, 87.5841**.

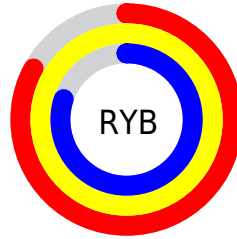
Distribution



Red (100%)

Green (97%)

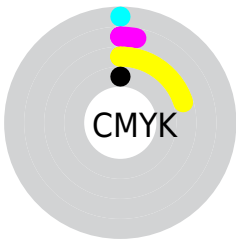
Blue (80%)



Red (83%)

Yellow (100%)

Blue (80%)

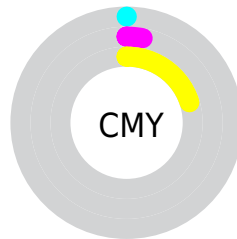


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.5869, 92.7066, 69.8832 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 85.5869, 92.7066, 69.8832 by changing the saturation by 10% instead.


 85.5869, 92.7066,
69.8832

 85.5869, 92.7066,
69.8832


502.0226,
536.7965, 478.9178

 64.6506, 70.2277,
50.9551


140.1027,
151.0923, 120.7217

 47.4414, 51.7122,
35.7964


174.4128,
187.7679, 153.4692

 33.5942, 36.7757,
23.9885


213.9116,
229.9445, 191.6603

 22.7434, 25.0339,
15.1130

258.9644,
278.0066, 235.7135

 14.5238, 16.1023,
8.7512

309.9365,
332.3384, 286.0473

 8.5700, 9.5966,
4.4847

367.1933,

 4.5166, 5.1323,

393.3244, 343.0802

1.8948

431.1002,
461.3490, 407.2309

■ 1.9984, 2.3251,
0.4894

■ 0.6330, 0.7869,
0.0000

■ 85.5869, 92.7066,
69.8832

■ 85.5869, 92.7066,
69.8832

■ 81.7504, 89.5033,
54.8250

■ 89.9470, 96.1565,
87.5841

■ 78.4065, 86.5247,
42.2752

94.8469, 99.8503,
108.0418

■ 75.5307, 83.7639,
32.0961

95.0500, 100.0000,
108.9000

■ 73.0938, 81.2091,
24.1349

■ 71.0634, 78.8472,
18.2207

■ 69.4021, 76.6630,
14.1574

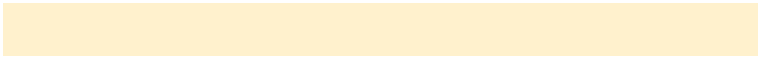
■ 68.0654, 74.6385,
11.7110

■ 67.0181, 72.8161,
10.5227

Harmonies

Analogous

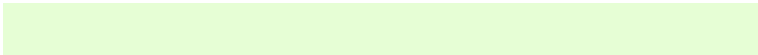
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0607, 92.7066, 70.6885



85.5869, 92.7066, 69.8832



80.0639, 92.7066, 76.6114

Triad

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



85.5869, 92.7066, 69.8832



79.1500, 92.7066, 126.6584



100.4929, 92.7066, 112.4922

Complementary

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



85.5869, 92.7066, 69.8832



65.7247, 66.0079, 103.8845

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.



96.6882, 92.7066, 129.9445



85.5869, 92.7066, 69.8832



84.2834, 92.7066, 138.7886

Square

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



85.5869, 92.7066, 69.8832



76.4713, 92.7066, 108.4298



90.6921, 92.7066, 140.0600



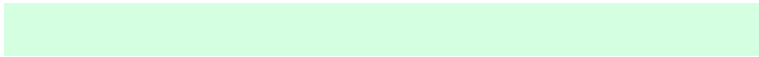
100.8841, 92.7066, 93.8066

Rectangle

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



85.5869, 92.7066, 69.8832



77.5802, 92.7066, 85.0076



90.6921, 92.7066, 140.0600



99.5624, 92.7066, 118.7521

Sweetspot

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



85.5891, 92.7106, 69.8852



92.0307, 97.7475, 96.2212



74.3295, 68.6661, 70.8341



19.6306, 20.8707, 20.3130



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.



85.5891, 92.7106, 69.8852



84.1452, 91.5262, 64.1526



81.3983, 93.8021, 70.3167



19.3406, 20.6494, 19.1107



35.0992, 38.2096, 5.5253



3.4727, 3.8307, 0.5564

Inverse Universe

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



65.7247, 66.0079, 103.8845



61.3747, 60.9186, 103.1314



69.2866, 65.3367, 103.5672



17.2000, 17.7715, 22.7737



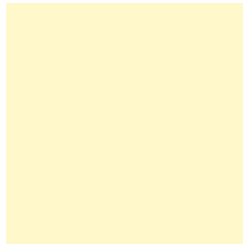
9.7948, 4.4992, 49.7868



1.0114, 0.5535, 4.8668

Previews

White Background



This preview shows how the XYZ color 85.5869, 92.7066, 69.8832 looks on a white background.

Color Contrast Check

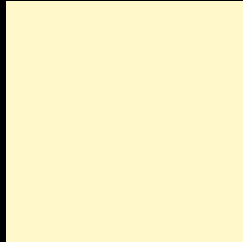
Large Text (above 18pt) WCAG AA × Fail

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 85.5869, 92.7066, 69.8832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

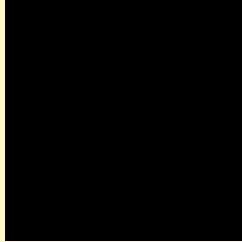
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.5869, 92.7066, 69.8832

Background



This preview shows how black text looks on a background with the XYZ color 85.5869, 92.7066, 69.8832.



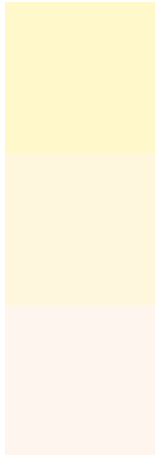
This preview shows how white text looks on a background with the XYZ color 85.5869, 92.7066,

69.8832.

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

85.5869, 92.7066, 69.8832

Protanopia

87.3806, 92.4455, 82.3455

Deuteranopia

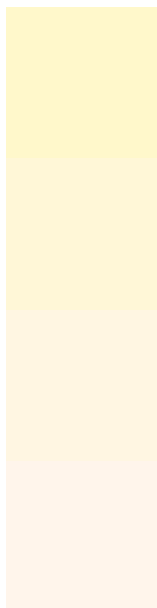
89.4724, 92.7968, 94.8572



Tritanopia

91.0202, 92.4530, 105.9764

Trichromacy



Original Color

85.5869, 92.7066, 69.8832

Protanomaly

86.7665, 92.6878, 77.6074

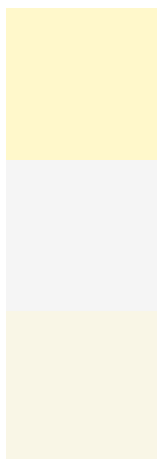
Deuteranomaly

87.9232, 92.6625, 85.2031

Tritanomaly

88.8878, 92.5630, 91.7788

Monochromacy



Original Color

85.5869, 92.7066, 69.8832

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.3056, 91.7644, 88.0264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.5869, 92.7066, 69.8832 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, 248, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 203)  
}
```

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, 248, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 203) }
```

Border

The CSS property to change the border of an element to XYZ 85.5869, 92.7066, 69.8832 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, 248, 203) }
```


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

```
.border{ border-color:rgb(255, 248, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5869, 92.7066, 69.8832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 203) }
```

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

```
.background{ background-color: rgb(255,  
248, 203) }
```

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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