

Converting Colors

XYZ(83.9585, 92.3964, 68.8053)

Have a look what the booklet for
XYZ(83.9585, 92.3964, 68.8053)
contains.

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Color

**XYZ(83.8426, 92.2924,
68.6536)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF9C9
RGB	250, 249, 201
RGB Percent	98%, 98%, 79%
CMY	0.0196, 0.0235, 0.2118
CMYK	0.00, 0.00, 0.20, 0.02
HSL	59°, 83%, 88%
HSV	59°, 20%, 98%
XYZ	83.8426, 92.2924, 68.6536
YIQ	243.8270, 16.0040, -14.7160

Conversions

Conversions Part 2

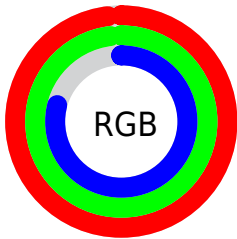
Format	Color
R_{YB}	202, 250, 201
Decimal	16447945
CIE Lab	96.94, -7.28, 23.22
CIE LCh	97, 24.339, 107.412
Yxy	92.2924, 0.3425, 0.3770
Android (android.graphics.Color)	4294638025 (0xFFFAF9C9)
YUV	243.8270, -21.1137, 5.4137
Hunter-Lab	96.0689, -12.3377, 24.8779

Details

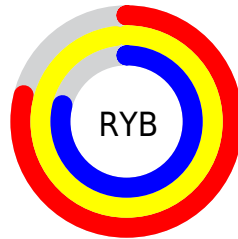
The XYZ color **83.8426, 92.2924, 68.6536** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.4630, 61.5593, 99.0329**, and the grayscale version is **86.0073, 90.4864, 98.5397**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3287, 51.5840, 35.1187** is the 20% darker color. If you saturate the color by 10%, you get **80.9822, 90.9009, 54.3528**, and if you desaturate by 10%, it is **87.1869, 93.8845, 85.4794**.

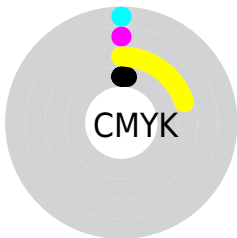
Distribution



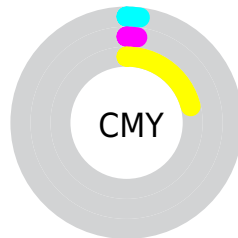
- Red (98%)
- Green (98%)
- Blue (79%)



- Red (79%)
- Yellow (98%)
- Blue (79%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8426, 92.2924, 68.6536 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 83.8426, 92.2924, 68.6536 by changing the saturation by 10% instead.


 83.8426, 92.2924,
68.6536

 83.8426, 92.2924,
68.6536


496.3320,
535.4601, 474.4691

 63.2048, 69.8835,
49.9596


137.6774,
150.5186, 118.9497

 46.2661, 51.4316,
35.0104


171.6050,
187.1047, 151.3890

 32.6614, 36.5522,
23.3873


210.6933,
229.1853, 189.2471

 22.0252, 24.8610,
14.6717

255.3076,
277.1448, 232.9425

 13.9921, 15.9735,
8.4453

305.8133,
331.3677, 282.8939

 8.1968, 9.5054,
4.2893

362.5757,

 4.2740, 5.0723,

392.2382, 339.5198

1.7854

425.9601,
460.1409, 403.2387

■ 1.8583, 2.2897,
0.4183

■ 0.5524, 0.7683,
0.0000

■ 83.8426, 92.2924,
68.6536

■ 83.8426, 92.2924,
68.6536

■ 80.9822, 90.9009,
54.3528

■ 87.1869, 93.8845,
85.4794

■ 78.5755, 89.6883,
42.4492


■ 91.0295, 95.6734,
104.9377


■ 76.5997, 88.6488,
32.8130

■ 91.8245, 96.2440,
108.3450


■ 75.0274, 87.7714,
25.2996


■ 91.9827, 96.5605,
108.3978

 73.8280, 87.0438,
19.7478


 92.1414, 96.8779,
108.4507


 72.9666, 86.4520,
15.9733


 92.3006, 97.1962,
108.5037


 72.4014, 85.9795,
13.7571

 92.4601, 97.5153,
108.5569

 72.0668, 85.5998,
12.7529

 92.6201, 97.8353,
108.6102

 72.0551, 85.5853,
12.7219

 92.7805, 98.1561,
108.6637

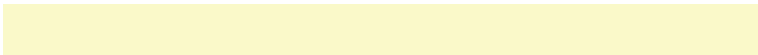
Harmonies

Analogous

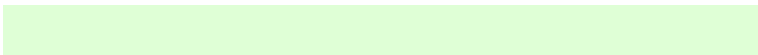
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6200, 92.2924, 68.0188



83.8426, 92.2924, 68.6536



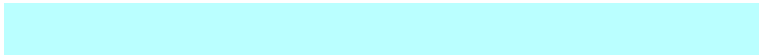
78.3865, 92.2924, 77.0869

Triad

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



83.8426, 92.2924, 68.6536



79.1152, 92.2924, 130.8645



101.1989, 92.2924, 108.9288

Complementary

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



83.8426, 92.2924, 68.6536



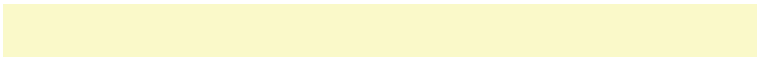
62.4630, 61.5593, 99.0329

Split Complementary

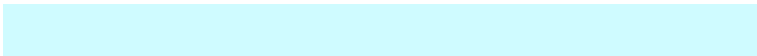
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.7690, 92.2924, 128.2083



83.8426, 92.2924, 68.6536



84.8848, 92.2924, 141.9349

Square

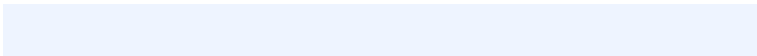
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



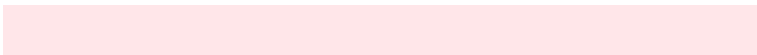
83.8426, 92.2924, 68.6536



75.7562, 92.2924, 112.1935



91.7175, 92.2924, 140.9041



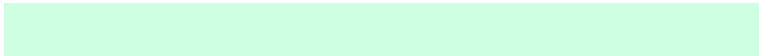
100.8840, 92.2924, 89.6315

Rectangle

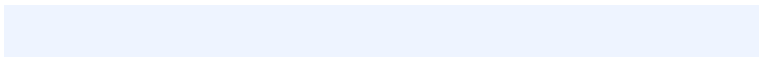
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8426, 92.2924, 68.6536



76.1253, 92.2924, 86.7009



91.7175, 92.2924, 140.9041



100.4385, 92.2924, 115.6703

Sweetspot

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



83.8450, 92.2965, 68.6556



92.5847, 98.8555, 96.4059



71.0477, 66.3928, 65.3429



19.7620, 21.1335, 20.3568



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

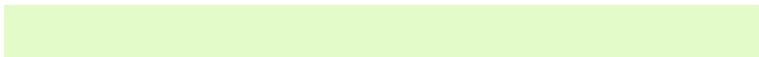
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8450, 92.2965, 68.6556



86.3203, 95.8763, 64.8777



76.4497, 88.9415, 68.3978



18.6954, 20.1267, 18.3619



38.2340, 45.4246, 6.7527



3.5505, 4.2258, 0.6285

Inverse Universe

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



62.4630, 61.5593, 99.0329



59.7713, 57.7118, 102.5969



68.8421, 64.5027, 99.2648



16.3113, 16.6994, 21.7489



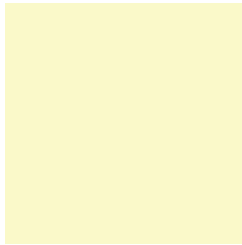
9.1943, 3.7442, 48.2117



0.8612, 0.3660, 4.4684

Previews

White Background



This preview shows how the XYZ color 83.8426, 92.2924, 68.6536 looks on a white background.

Color Contrast Check

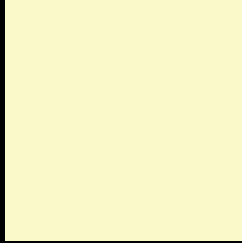
Large Text (above 18pt) WCAG AA × Fail

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 83.8426, 92.2924, 68.6536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

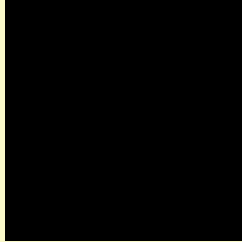
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.8426, 92.2924, 68.6536

Background



This preview shows how black text looks on a background with the XYZ color 83.8426, 92.2924, 68.6536.



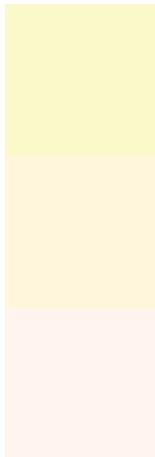
This preview shows how white text looks on a background with the XYZ color 83.8426, 92.2924,

68.6536.

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

83.8426, 92.2924, 68.6536

Protanopia

87.1140, 92.3388, 80.9419

Deuteranopia

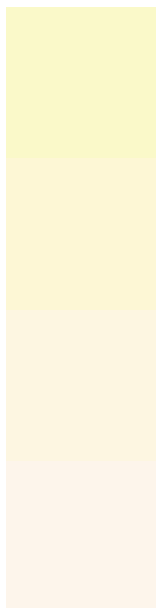
89.0233, 92.1344, 93.9806



Tritanopia

90.9736, 92.3920, 107.6464

Trichromacy



Original Color

83.8426, 92.2924, 68.6536

Protanomaly

85.7790, 92.2083, 76.2277

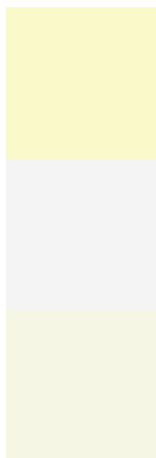
Deuteranomaly

87.0544, 92.2304, 84.4482

Tritanomaly

88.1558, 92.1856, 91.7446

Monochromacy



Original Color

83.8426, 92.2924, 68.6536

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.9654, 91.1058, 86.5058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8426, 92.2924, 68.6536 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, 249, 201)` looks like.

```
.text, #text, p{  
    color:rgb(250, 249, 201)  
}
```

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, 249, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 249, 201) }
```

Border

The CSS property to change the border of an element to XYZ 83.8426, 92.2924, 68.6536 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, 249, 201) }
```


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

```
.border{ border-color:rgb(250, 249, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 249, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 249, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 249, 201);  
box-shadow:4px 4px 4px 4px rgb(250, 249,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8426, 92.2924, 68.6536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 249, 201) }
```

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

```
.background{ background-color: rgb(250,  
249, 201) }
```

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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