

Converting Colors

XYZ(83.6123, 92.3940, 58.0171)

Have a look what the booklet for
XYZ(83.6123, 92.3940, 58.0171)
contains.

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Color

**XYZ(83.6629, 92.4303,
58.2311)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9B7
RGB	255, 249, 183
RGB Percent	100%, 98%, 72%
CMY	0.0000, 0.0235, 0.2823
CMYK	0.00, 0.02, 0.28, 0.00
HSL	55°, 100%, 86%
HSV	55°, 28%, 100%
XYZ	83.6629, 92.4303, 58.2311
YIQ	243.2700, 24.7620, -19.2540

Conversions

Conversions Part 2

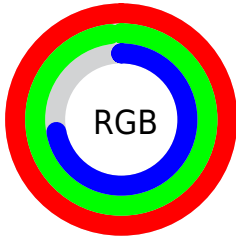
Format	Color
R_{YB}	190, 255, 183
Decimal	16775607
CIE _{Lab}	97.00, -7.87, 32.48
CIE _{LCh}	97, 33.419, 103.618
Yxy	92.4303, 0.3570, 0.3945
Android (android.graphics.Color)	4294965687 (0xFFFFF9B7)
YUV	243.2700, -29.7131, 10.2872
Hunter-Lab	96.1407, -12.9131, 31.3873

Details

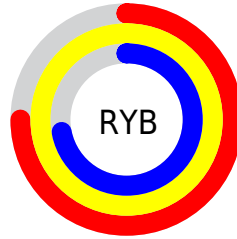
The XYZ color **83.6629, 92.4303, 58.2311** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.7757, 53.6809, 102.0295**, and the grayscale version is **85.6239, 90.0830, 98.1004**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **46.0584, 51.5952, 28.3002** is the 20% darker color. If you saturate the color by 10%, you get **80.5941, 90.1620, 45.2789**, and if you desaturate by 10%, it is **87.2247, 94.9140, 73.7221**.

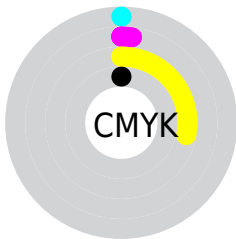
Distribution



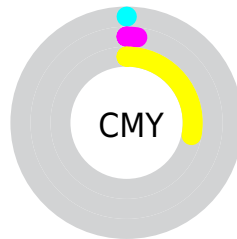
- Red (100%)
- Green (98%)
- Blue (72%)



- Red (75%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (2%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6629, 92.4303, 58.2311 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 83.6629, 92.4303, 58.2311 by changing the saturation by 10% instead.


 83.6629, 92.4303,
58.2311

 83.6629, 92.4303,
58.2311


495.7437,
535.9052, 435.6688

 63.0559, 69.9981,
41.5785


 137.4272,
150.7096, 103.7774

 46.1453, 51.5250,
28.4483


171.3153,
187.3255, 133.5083

 32.5656, 36.6266,
18.4219


210.3611,
229.4381, 168.4356

 21.9515, 24.9185,
11.0807

254.9300,
277.4318, 208.9780

 13.9377, 16.0163,
6.0063

305.3874,
331.6910, 255.5540

 8.1587, 9.5357,
2.7801

362.0985,

 4.2493, 5.0922,

392.6000, 308.5821

0.9835

425.4289,
460.5433, 368.4808

■ 1.8441, 2.3015,
0.0000

■ 0.5441, 0.7745,
0.0000

■ 83.6629, 92.4303,
58.2311

■ 83.6629, 92.4303,
58.2311

■ 80.5941, 90.1620,
45.2789

■ 87.2247, 94.9140,
73.7221

■ 77.9852, 88.0864,
34.7228

■ 91.2965, 97.6105,
91.8725

■ 75.8102, 86.1961,
26.4149

95.0500, 100.0000,
108.9000

■ 74.0374, 84.4784,
20.1888

■ 72.6308, 82.9188,
15.8548

■ 71.5477, 81.5004,
13.1886

■ 70.7295, 80.1995,
11.8815

■ 70.5981, 79.9763,
11.7160

Harmonies

Analogous

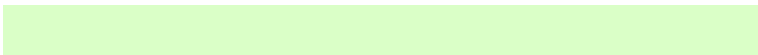
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0520, 92.4303, 58.6813



83.6629, 92.4303, 58.2311



75.9583, 92.4303, 67.6099

Triad

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



83.6629, 92.4303, 58.2311



75.3998, 92.4303, 140.7632



106.3692, 92.4303, 115.9663

Complementary

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



83.6629, 92.4303, 58.2311



55.7757, 53.6809, 102.0295

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.



100.9271, 92.4303, 142.9844



83.6629, 92.4303, 58.2311



82.8498, 92.4303, 158.9552

Square

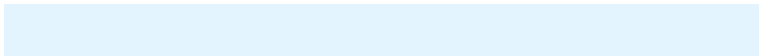
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6629, 92.4303, 58.2311



71.4227, 92.4303, 113.3338



92.1791, 92.4303, 159.8339



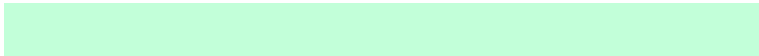
106.6259, 92.4303, 88.9329

Rectangle

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



83.6629, 92.4303, 58.2311



72.6272, 92.4303, 79.3368



92.1791, 92.4303, 159.8339



105.0689, 92.4303, 125.4534

Sweetspot

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



83.6652, 92.4344, 58.2330



91.3983, 97.6763, 92.3308



67.3595, 58.8022, 55.9451



19.4243, 20.8167, 19.1386



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

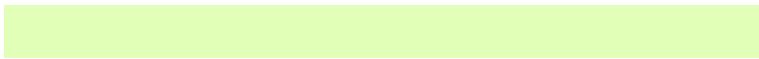
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6652, 92.4344, 58.2330



81.8365, 91.0996, 50.4632



75.3591, 90.9467, 58.3837



19.4243, 20.8167, 19.1386



36.9430, 41.8972, 6.1399



3.6336, 4.1526, 0.6100

Inverse Universe

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



55.7757, 53.6809, 102.0295



49.6932, 46.4395, 100.9523



62.4249, 55.2343, 101.9789



17.1245, 17.6206, 22.7485



9.6156, 4.1408, 49.7270



0.9759, 0.4825, 4.8550

Previews

White Background



This preview shows how the XYZ color 83.6629, 92.4303, 58.2311 looks on a white background.

Color Contrast Check

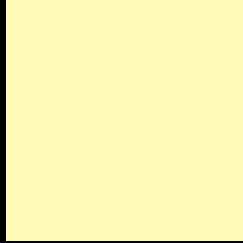
Large Text (above 18pt) WCAG AA × Fail

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 83.6629, 92.4303, 58.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

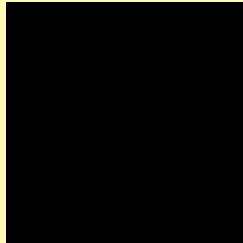
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.6629, 92.4303, 58.2311

Background



This preview shows how black text looks on a background with the XYZ color 83.6629, 92.4303, 58.2311.

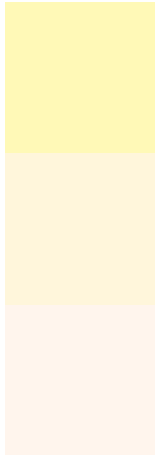


This preview shows how white text looks on a background with the XYZ color 83.6629, 92.4303,

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

83.6629, 92.4303, 58.2311

Protanopia

86.9820, 92.2860, 80.2464

Deuteranopia

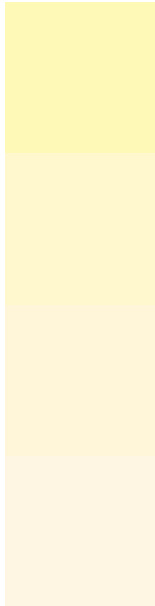
89.1785, 92.6792, 93.3094



Tritanopia

90.8613, 92.3895, 105.1395

Trichromacy



Original Color

83.6629, 92.4303, 58.2311

Protanomaly

85.6413, 92.2378, 71.6824

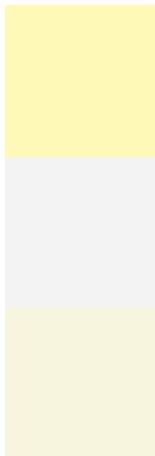
Deuteranomaly

86.7202, 92.1813, 78.8678

Tritanomaly

87.7575, 92.1109, 85.8269

Monochromacy



Original Color

83.6629, 92.4303, 58.2311

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.0613, 90.2994, 81.4056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6629, 92.4303, 58.2311 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, 249, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 183)  
}
```

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, 249, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 183) }
```

Border

The CSS property to change the border of an element to XYZ 83.6629, 92.4303, 58.2311 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, 249, 183) }
```


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

```
.border{ border-color:rgb(255, 249, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6629, 92.4303, 58.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 183) }
```

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

```
.background{ background-color: rgb(255,  
249, 183) }
```

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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