

Converting Colors

XYZ(227.3991, 165.2089,
68.3624)

Have a look what the booklet for
XYZ(227.3991, 165.2089, 68.3624)
contains.

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Color

**XYZ(83.4900, 90.8892,
61.8582)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6BE
RGB	255, 246, 190
RGB Percent	100%, 96%, 75%
CMY	0.0000, 0.0353, 0.2549
CMYK	0.00, 0.04, 0.25, 0.00
HSL	52°, 100%, 87%
HSV	52°, 25%, 100%
XYZ	83.4900, 90.8892, 61.8582
YIQ	242.3070, 23.3400, -15.5080

Conversions

Conversions Part 2

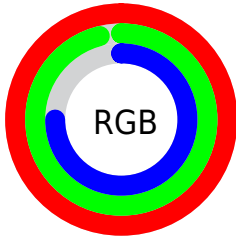
Format	Color
R_{YB}	200, 255, 190
Decimal	16774846
CIE _{Lab}	96.36, -5.48, 28.09
CIE _{LCh}	96, 28.617, 101.033
Yxy	90.8892, 0.3534, 0.3847
Android (android.graphics.Color)	4294964926 (0xFFFFF6BE)
YUV	242.3070, -25.7874, 11.1318
Hunter-Lab	95.3358, -10.5170, 28.2650

Details

The XYZ color **83.4900, 90.8892, 61.8582** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.7082, 59.0124, 102.8513**, and the grayscale version is **84.8281, 89.2458, 97.1887**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **46.1461, 50.6103, 30.6291** is the 20% darker color. If you saturate the color by 10%, you get **79.8809, 87.7477, 48.0871**, and if you desaturate by 10%, it is **87.6116, 94.2746, 78.2080**.

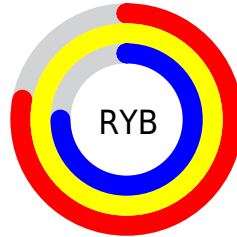
Distribution



Red (100%)

Green (96%)

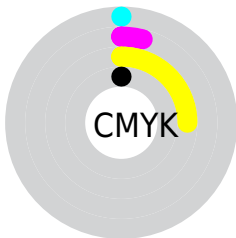
Blue (75%)



Red (78%)

Yellow (100%)

Blue (75%)

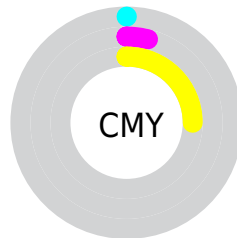


Cyan (0%)

Magenta (4%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4900, 90.8892, 61.8582 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 83.4900, 90.8892, 61.8582 by changing the saturation by 10% instead.


 83.4900, 90.8892,
61.8582

 83.4900, 90.8892,
61.8582


495.1774,
530.9192, 449.4070

 62.9127, 68.7184,
44.4831


 137.1865,
148.5729, 109.0902

 46.0290, 50.4824,
30.7105


171.0364,
184.8546, 139.7841

 32.4734, 35.7968,
20.1219


210.0413,
226.6087, 175.7547

 21.8807, 24.2773,
12.2987

254.5665,
274.2196, 217.4206

 13.8854, 15.5395,
6.8225

304.9774,
328.0717, 265.2002

 8.1221, 9.1989,
3.2746

361.6392,

 4.2257, 4.8711,

388.5494, 319.5121

1.2365

424.9174,
456.0371, 380.7749

■ 1.8306, 2.1718,
0.0089

■ 0.5360, 0.7046,
0.0000

■ 83.4900, 90.8892,
61.8582

■ 83.4900, 90.8892,
61.8582

■ 79.8809, 87.7477,
48.0871

■ 87.6116, 94.2746,
78.2080

■ 76.7521, 84.8276,
36.7551

■ 92.2627, 97.9014,
97.2549

■ 74.0781, 82.1218,
27.7182

95.0500, 100.0000,
108.9000

■ 71.8280, 79.6175,
20.8150

■ 69.9671, 77.3009,
15.8629

■ 68.4549, 75.1554,
12.6489

■ 67.2411, 73.1609,
10.9095

■ 66.7588, 72.2975,
10.4363

Harmonies

Analogous

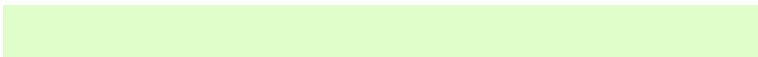
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4606, 90.8892, 63.0134



83.4900, 90.8892, 61.8582



76.7197, 90.8892, 69.4314

Triad

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



83.4900, 90.8892, 61.8582



75.3438, 90.8892, 130.6351



101.6930, 90.8892, 113.9117

Complementary

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



83.4900, 90.8892, 61.8582



59.7082, 59.0124, 102.8513

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.



96.8351, 90.8892, 135.8664



83.4900, 90.8892, 61.8582



81.5055, 90.8892, 146.4994

Square

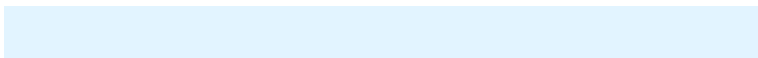
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4900, 90.8892, 61.8582



72.2126, 90.8892, 107.5950



89.3512, 90.8892, 148.5487



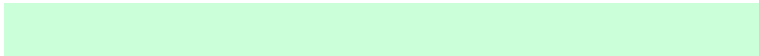
102.3055, 90.8892, 90.8053

Rectangle

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



83.4900, 90.8892, 61.8582



73.6710, 90.8892, 79.2072



89.3512, 90.8892, 148.5487



100.4889, 90.8892, 121.7573

Sweetspot

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



83.4922, 90.8932, 61.8601



91.0438, 96.9673, 92.2126



70.0503, 62.2464, 62.8144



19.3343, 20.6368, 19.1086



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.



83.4922, 90.8932, 61.8601



81.4409, 89.1313, 53.9600



78.4147, 92.4356, 62.4254



19.3343, 20.6368, 19.1086



34.9656, 37.9423, 5.4807



3.4609, 3.8073, 0.5525

Inverse Universe

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



59.7082, 59.0124, 102.8513



53.6898, 51.9374, 101.8029



63.8325, 58.1569, 102.4688



17.2057, 17.7829, 22.7756



9.8112, 4.5321, 49.7923



1.0141, 0.5588, 4.8677

Previews

White Background



This preview shows how the XYZ color 83.4900, 90.8892, 61.8582 looks on a white background.

Color Contrast Check

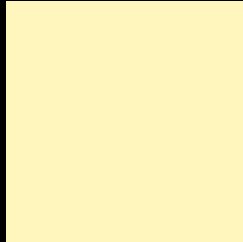
Large Text (above 18pt) WCAG AA × Fail

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 83.4900, 90.8892, 61.8582 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 83.4900, 90.8892, 61.8582

Background



This preview shows how black text looks on a background with the XYZ color 83.4900, 90.8892, 61.8582.



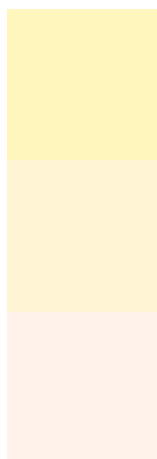
This preview shows how white text looks on a background with the XYZ color 83.4900, 90.8892,

61.8582.

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

83.4900, 90.8892, 61.8582

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

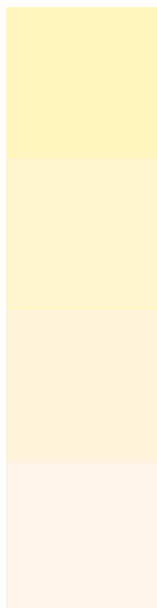
87.8434, 90.7048, 90.7198



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.4900, 90.8892, 61.8582

Protanomaly

84.7915, 90.9244, 70.2079

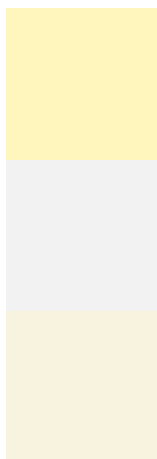
Deuteranomaly

85.9455, 90.4231, 79.2533

Tritanomaly

87.4334, 91.0183, 87.0888

Monochromacy



Original Color

83.4900, 90.8892, 61.8582

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.7276, 89.2031, 82.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4900, 90.8892, 61.8582 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, 246, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 190)  
}
```

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, 246, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 190) }
```

Border

The CSS property to change the border of an element to XYZ 83.4900, 90.8892, 61.8582 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, 246, 190) }
```


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

```
.border{ border-color:rgb(255, 246, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4900, 90.8892, 61.8582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 190) }
```

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

```
.background{ background-color: rgb(255,  
246, 190) }
```

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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