

Converting Colors

XYZ(100.9360, 100.0000,
63.1674)

Have a look what the booklet for
XYZ(100.9360, 100.0000, 63.1674)
contains.

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Color

**XYZ(83.5997, 90.9331,
62.4359)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6BF
RGB	255, 246, 191
RGB Percent	100%, 96%, 75%
CMY	0.0000, 0.0353, 0.2510
CMYK	0.00, 0.04, 0.25, 0.00
HSL	52°, 100%, 87%
HSV	52°, 25%, 100%
XYZ	83.5997, 90.9331, 62.4359
YIQ	242.4210, 23.0190, -15.1970

Conversions

Conversions Part 2

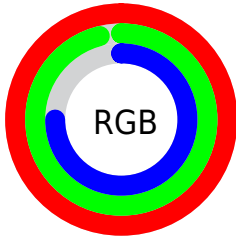
Format	Color
R_{YB}	201, 255, 191
Decimal	16774847
CIE _{Lab}	96.38, -5.34, 27.60
CIE _{LCh}	96, 28.118, 100.958
Yxy	90.9331, 0.3528, 0.3837
Android (android.graphics.Color)	4294964927 (0xFFFFF6BF)
YUV	242.4210, -25.3506, 11.0318
Hunter-Lab	95.3588, -10.3897, 27.9313

Details

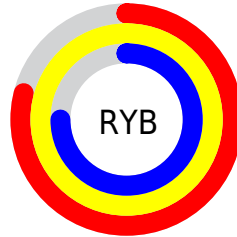
The XYZ color **83.5997, 90.9331, 62.4359** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.1897, 59.6032, 102.9400**, and the grayscale version is **84.9155, 89.3377, 97.2887**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **46.2175, 50.6388, 31.0053** is the 20% darker color. If you saturate the color by 10%, you get **79.9555, 87.7513, 48.5610**, and if you desaturate by 10%, it is **87.7580, 94.3605, 78.8947**.

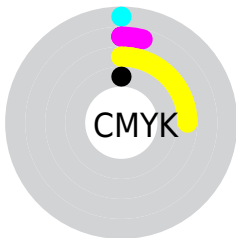
Distribution



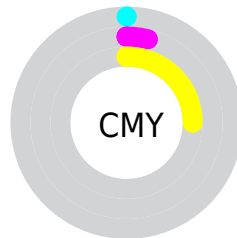
- Red (100%)
- Green (96%)
- Blue (75%)



- Red (79%)
- 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 83.5997, 90.9331, 62.4359 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 83.5997, 90.9331, 62.4359 by changing the saturation by 10% instead.


 83.5997, 90.9331,
62.4359

 83.5997, 90.9331,
62.4359


495.5367,
531.0615, 451.5708

 63.0036, 68.7548,
44.9469

 137.3392,
148.6338, 109.9330

 46.1028, 50.5121,
31.0730


171.2134,
184.9251, 140.7782

 32.5319, 35.8204,
20.3955

210.2442,
226.6894, 176.9126

 21.9256, 24.2955,
12.4959

254.7972,
274.3113, 218.7546

 13.9185, 15.5530,
6.9558

305.2375,
328.1750, 266.7230

 8.1454, 9.2084,
3.3564

361.9307,

 4.2407, 4.8774,

388.6650, 321.2361

1.2794

425.2420,
456.1657, 382.7125

■ 1.8392, 2.1755,
0.0448

■ 0.5411, 0.7066,
0.0000

■ 83.5997, 90.9331,
62.4359

■ 83.5997, 90.9331,
62.4359

■ 79.9555, 87.7513,
48.5610

■ 87.7580, 94.3605,
78.8947

■ 76.7933, 84.7925,
37.1309

■ 92.4474, 98.0310,
98.0555

■ 74.0876, 82.0497,
28.0022

95.0500, 100.0000,
108.9000

■ 71.8077, 79.5103,
21.0140

■ 69.9192, 77.1603,
15.9848

■ 68.3816, 74.9833,
12.7030

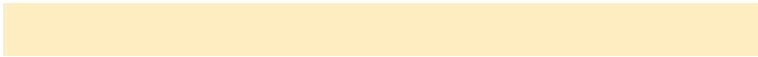
■ 67.1453, 72.9595,
10.9078

■ 66.6146, 72.0092,
10.3882

Harmonies

Analogous

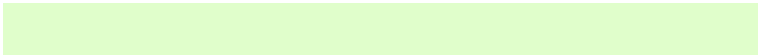
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4331, 90.9331, 63.5996



83.5997, 90.9331, 62.4359



76.9342, 90.9331, 69.8965

Triad

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



83.5997, 90.9331, 62.4359



75.5542, 90.9331, 130.0380



101.4509, 90.9331, 113.7499

Complementary

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



83.5997, 90.9331, 62.4359



60.1897, 59.6032, 102.9400

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.



96.6750, 90.9331, 135.2593



83.5997, 90.9331, 62.4359



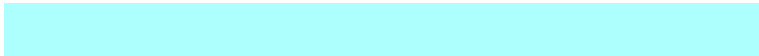
81.6112, 90.9331, 145.5999

Square

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



83.5997, 90.9331, 62.4359



72.4792, 90.9331, 107.4323



89.3218, 90.9331, 147.6431



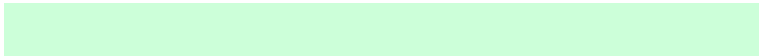
102.0632, 90.9331, 91.0411

Rectangle

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



83.5997, 90.9331, 62.4359



73.9276, 90.9331, 79.5256



89.3218, 90.9331, 147.6431



100.2662, 90.9331, 121.4438

Sweetspot

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



83.6019, 90.9371, 62.4378



91.0299, 96.9396, 92.2080



70.3671, 62.7209, 63.4107



19.3308, 20.6298, 19.1074



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

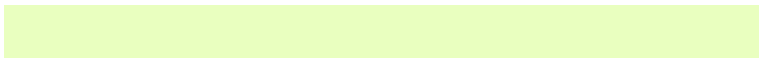
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6019, 90.9371, 62.4378



81.7520, 89.3461, 55.3199



78.6383, 92.5382, 63.0085



19.3308, 20.6298, 19.1074



34.8912, 37.7937, 5.4559



3.4544, 3.7942, 0.5503

Inverse Universe

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



60.1897, 59.6032, 102.9400



54.7766, 53.2473, 101.9985



64.2384, 58.6888, 102.5501



17.2089, 17.7893, 22.7766



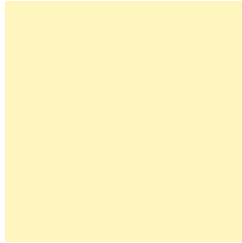
9.8206, 4.5508, 49.7954



1.0156, 0.5618, 4.8682

Previews

White Background



This preview shows how the XYZ color 83.5997, 90.9331, 62.4359 looks on a white background.

Color Contrast Check

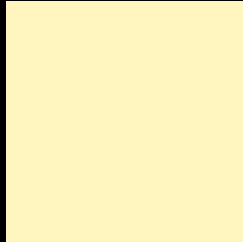
Large Text (above 18pt) WCAG AA × Fail

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 83.5997, 90.9331, 62.4359 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 83.5997, 90.9331, 62.4359

Background



This preview shows how black text looks on a background with the XYZ color 83.5997, 90.9331, 62.4359.

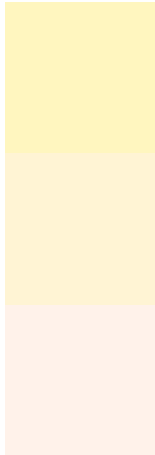


This preview shows how white text looks on a background with the XYZ color 83.5997, 90.9331,

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

83.5997, 90.9331, 62.4359

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

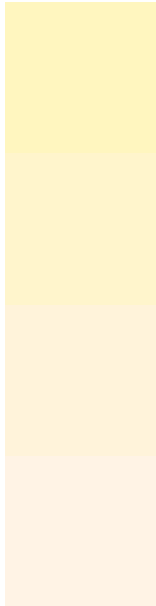
87.8434, 90.7048, 90.7198



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.5997, 90.9331, 62.4359

Protanomaly

84.7915, 90.9244, 70.2079

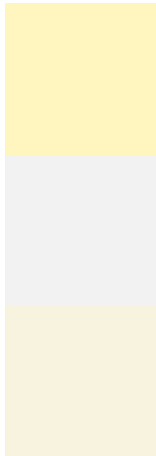
Deuteranomaly

85.9455, 90.4231, 79.2533

Tritanomaly

87.4334, 91.0183, 87.0888

Monochromacy



Original Color

83.5997, 90.9331, 62.4359

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 83.5997, 90.9331, 62.4359 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 191) }
```

Border

The CSS property to change the border of an element to XYZ 83.5997, 90.9331, 62.4359 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, 191) }
```


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

```
.border{ border-color:rgb(255, 246, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5997, 90.9331, 62.4359 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, 191) }
```

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

```
.background{ background-color: rgb(255,  
246, 191) }
```

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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