

# Converting Colors

XYZ(83.8458, 92.0295, 60.6554)

Have a look what the booklet for  
XYZ(83.8458, 92.0295, 60.6554)  
contains.

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# Color

**XYZ(83.8845, 92.0256,  
60.9185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8BC
RGB	255, 248, 188
RGB Percent	100%, 97%, 74%
CMY	0.0000, 0.0274, 0.2627
CMYK	0.00, 0.03, 0.26, 0.00
HSL	54°, 100%, 87%
HSV	54°, 26%, 100%
XYZ	83.8845, 92.0256, 60.9185
YIQ	243.2530, 23.4320, -17.1760

# Conversions

## Conversions Part 2

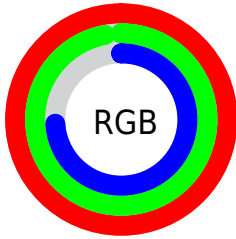
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 255, 188
Decimal	16775356
CIE Lab	96.83, -6.73, 29.73
CIE LCh	97, 30.488, 102.760
Yxy	92.0256, 0.3542, 0.3886
Android (android.graphics.Color)	4294965436 (0xFFFFF8BC)
YUV	243.2530, -27.2397, 10.3021
Hunter-Lab	95.9300, -11.7909, 29.5000

# Details

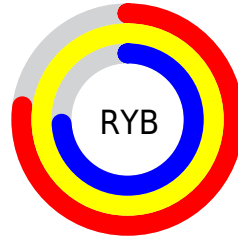
The XYZ color **83.8845, 92.0256, 60.9185** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.3038, 56.9400, 102.5253**, and the grayscale version is **85.5919, 90.0493, 98.0637**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **46.4414, 51.4263, 30.0328** is the 20% darker color. If you saturate the color by 10%, you get **80.5631, 89.4000, 47.4268**, and if you desaturate by 10%, it is **87.7077, 94.8769, 76.9759**.

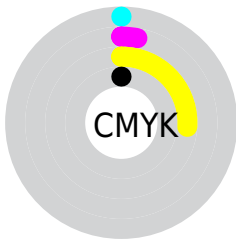
# Distribution



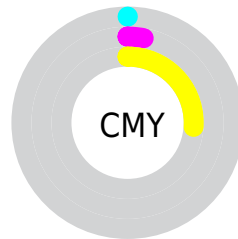
- Red (100%)
- Green (97%)
- Blue (74%)



- Red (77%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (3%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8845, 92.0256, 60.9185 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 83.8845, 92.0256, 60.9185 by changing the saturation by 10% instead.





 83.8845, 92.0256,  
60.9185

 83.8845, 92.0256,  
60.9185

496.4691,  
534.5983, 445.8734

 63.2395, 69.6619,  
43.7293


 137.7357,  
150.1489, 107.7173

 46.2943, 51.2509,  
30.1221


171.6726,  
186.6772, 138.1640

 32.6838, 36.4084,  
19.6784


210.7708,  
228.6959, 173.8668

 22.0424, 24.7497,  
11.9798

255.3956,  
276.5893, 215.2445

 14.0048, 15.8907,  
6.6075

305.9126,  
330.7419, 262.7154

 8.2057, 9.4468,  
3.1432

362.6869,

 4.2798, 5.0338,

391.5380, 316.6982

1.1682

426.0839,  
459.3620, 377.6113

■ 1.8616, 2.2671,  
0.0000

■ 0.5544, 0.7562,  
0.0000

■ 83.8845, 92.0256,  
60.9185

■ 83.8845, 92.0256,  
60.9185

■ 80.5631, 89.4000,  
47.4268

■ 87.7077, 94.8769,  
76.9759

■ 77.7112, 86.9776,  
36.3603

■ 92.0499, 97.9513,  
95.7180

■ 75.3032, 84.7512,  
27.5741

95.0500, 100.0000,  
108.9000

■ 73.3080, 82.7084,  
20.9051

■ 71.6906, 80.8350,  
16.1691

■ 70.4100, 79.1145,  
13.1499

■ 69.4148, 77.5263,  
11.5784

■ 69.0885, 76.9570,  
11.2128

# Harmonies

## Analogous

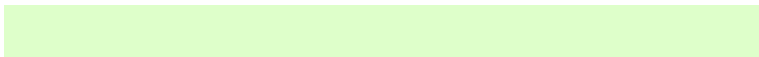
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4340, 92.0256, 61.6051



83.8845, 92.0256, 60.9185



76.7681, 92.0256, 69.4389

# Triad

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



83.8845, 92.0256, 60.9185



75.9376, 92.0256, 135.7086



104.1375, 92.0256, 114.8212

# Complementary

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



83.8845, 92.0256, 60.9185



58.3038, 56.9400, 102.5253

# 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.



99.1177, 92.0256, 138.9215



83.8845, 92.0256, 60.9185



82.6823, 92.0256, 152.2646

# Square

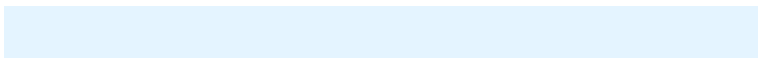
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8845, 92.0256, 60.9185



72.3851, 92.0256, 110.9696



91.1513, 92.0256, 153.5280



104.5118, 92.0256, 90.1512

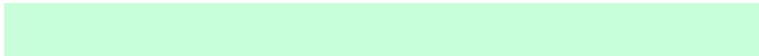


# Rectangle

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



83.8845, 92.0256, 60.9185



73.6423, 92.0256, 80.1467



91.1513, 92.0256, 153.5280



102.9231, 92.0256, 123.3474

# Sweetspot

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



83.8867, 92.0297, 60.9204



91.2621, 97.4039, 92.2854



69.1669, 61.2047, 60.2846



19.3897, 20.7476, 19.1271



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

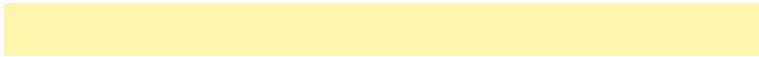


# Same Dimension

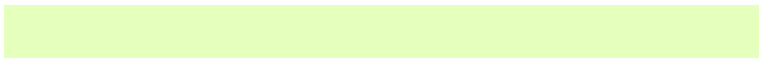
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8867, 92.0297, 60.9204



81.9242, 90.4978, 52.8884



77.2519, 91.8612, 61.2376



19.3897, 20.7476, 19.1271



36.1658, 40.3429, 5.8808



3.5660, 4.0173, 0.5875



# Inverse Universe

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



58.3038, 56.9400, 102.5253



52.0833, 49.5722, 101.4310



63.6733, 57.4362, 102.3381



17.1556, 17.6827, 22.7589



9.6810, 4.2716, 49.7488

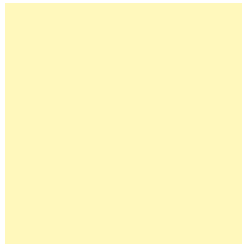


0.9905, 0.5118, 4.8598



# Previews

## White Background



This preview shows how the XYZ color 83.8845, 92.0256, 60.9185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

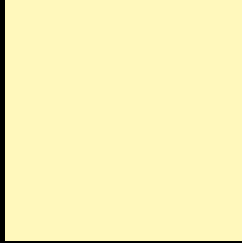
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8845, 92.0256, 60.9185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

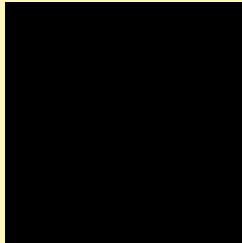
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.8845, 92.0256, 60.9185**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.8845, 92.0256, 60.9185.



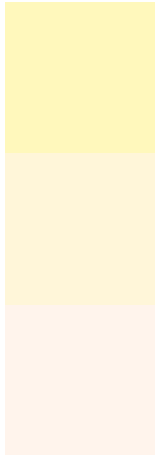
This preview shows how white text looks on a background with the XYZ color 83.8845, 92.0256,

60.9185.

# 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

83.8845, 92.0256, 60.9185

### Protanopia

86.7202, 92.1813, 78.8678

### Deuteranopia

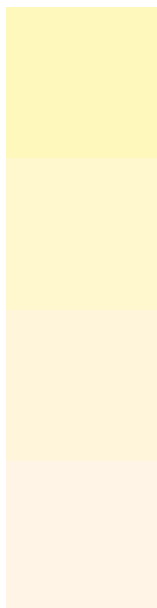
88.7310, 92.0175, 92.4414



## Tritanopia

90.5628, 91.7925, 105.0400

# Trichromacy



## Original Color

83.8845, 92.0256, 60.9185

## Protanomaly

85.6413, 92.2378, 71.6824

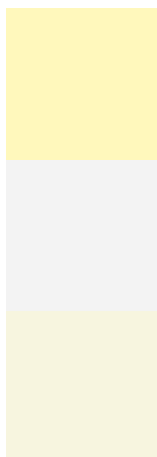
## Deuteranomaly

86.6786, 91.6793, 80.1453

## Tritanomaly

87.7335, 91.6185, 87.1888

# Monochromacy



## Original Color

83.8845, 92.0256, 60.9185

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.3295, 90.4067, 82.8176

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8845, 92.0256, 60.9185 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8845, 92.0256, 60.9185 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, 188) }
```



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

```
.border{ border-color:rgb(255, 248, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8845, 92.0256, 60.9185 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, 188) }
```

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

```
.background{ background-color: rgb(255,  
248, 188) }
```

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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