

# Converting Colors

XYZ(102.5610, 100.0000,  
65.9050)

Have a look what the booklet for  
XYZ(102.5610, 100.0000, 65.9050)  
contains.

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# Color

**XYZ(83.8562, 90.5503,  
65.2828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5C4
RGB	255, 245, 196
RGB Percent	100%, 96%, 77%
CMY	0.0000, 0.0392, 0.2314
CMYK	0.00, 0.04, 0.23, 0.00
HSL	50°, 100%, 88%
HSV	50°, 23%, 100%
XYZ	83.8562, 90.5503, 65.2828
YIQ	242.4040, 21.6890, -13.1190

# Conversions

## Conversions Part 2

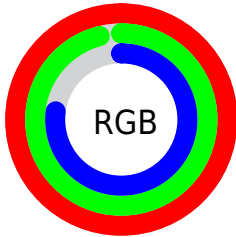
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 255, 196
Decimal	16774596
CIE <sub>Lab</sub>	96.22, -4.17, 24.84
CIE <sub>LCh</sub>	96, 25.193, 99.539
Yxy	90.5503, 0.3499, 0.3778
Android (android.graphics.Color)	4294964676 (0xFFFFF5C4)
YUV	242.4040, -22.8772, 11.0467
Hunter-Lab	95.1579, -9.2265, 25.9348

# Details

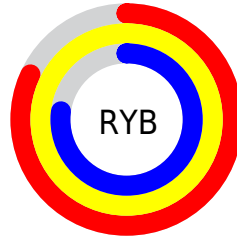
The XYZ color **83.8562, 90.5503, 65.2828** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.8858, 63.0966, 103.4722**, and the grayscale version is **84.8836, 89.3042, 97.2523**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **46.3688, 50.3540, 32.8666** is the 20% darker color. If you saturate the color by 10%, you get **79.9060, 86.9067, 50.8429**, and if you desaturate by 10%, it is **88.3346, 94.4602, 82.3348**.

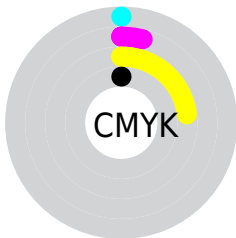
# Distribution



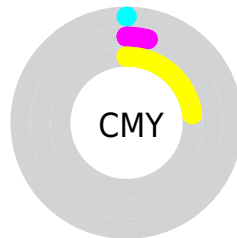
- Red (100%)
- Green (96%)
- Blue (77%)



- Red (82%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (4%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8562, 90.5503, 65.2828 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 83.8562, 90.5503, 65.2828 by changing the saturation by 10% instead.



 83.8562, 90.5503,  
65.2828

 83.8562, 90.5503,  
65.2828

496.3765,  
529.8193, 462.1415

 63.2160, 68.4372,  
47.2376


137.6963,  
148.1025, 114.0735

 46.2753, 50.2535,  
32.8679


171.6269,  
184.3104, 145.6561

 32.6687, 35.6148,  
21.7549


210.7185,  
225.9854, 182.5883

 22.0308, 24.1369,  
13.4804

255.3362,  
273.5117, 225.2886

 13.9962, 15.4352,  
7.6255

305.8455,  
327.2739, 274.1755

 8.1997, 9.1254,  
3.7720

362.6117,

 4.2759, 4.8231,

387.6563, 329.6676

1.5011

426.0003,  
455.0433, 392.1834

■ 1.8594, 2.1438,  
0.2187

■ 0.5531, 0.6891,  
0.0000

■ 83.8562, 90.5503,  
65.2828

■ 83.8562, 90.5503,  
65.2828

■ 79.9060, 86.9067,  
50.8429

■ 88.3346, 94.4602,  
82.3348

■ 76.4523, 83.5071,  
38.8779

■ 93.3581, 98.6342,  
102.1152

■ 73.4701, 80.3442,  
29.2470

95.0500, 100.0000,  
108.9000

■ 70.9292, 77.4057,  
21.7926

■ 68.7959, 74.6777,  
16.3378

■ 67.0310, 72.1442,  
12.6780

■ 65.5871, 69.7860,  
10.5644

■ 64.7349, 68.2498,  
9.7616

# Harmonies

## Analogous

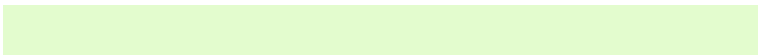
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8522, 90.5503, 66.7348



83.8562, 90.5503, 65.2828



77.7857, 90.5503, 71.7764

# Triad

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



83.8562, 90.5503, 65.2828



76.1060, 90.5503, 125.1983



99.2887, 90.5503, 112.6787

# Complementary

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



83.8562, 90.5503, 65.2828



62.8858, 63.0966, 103.4722

# 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.



94.9126, 90.5503, 131.3758



83.8562, 90.5503, 65.2828



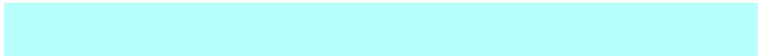
81.4496, 90.5503, 139.2559

# Square

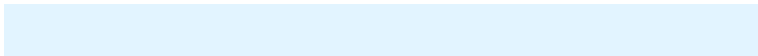
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8562, 90.5503, 65.2828



73.4736, 90.5503, 105.1143



88.3129, 90.5503, 141.6581



100.0193, 90.5503, 92.3488

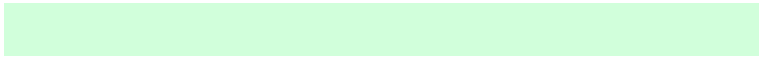


# Rectangle

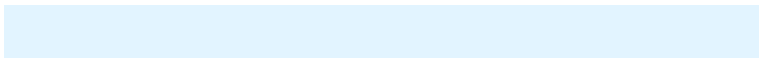
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8562, 90.5503, 65.2828



74.9869, 90.5503, 80.3305



88.3129, 90.5503, 141.6581



98.1844, 90.5503, 119.4346

# Sweetspot

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



83.8584, 90.5543, 65.2847



91.3510, 96.9892, 94.1418



72.2207, 65.2369, 67.7007



19.4874, 20.7055, 19.8917



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

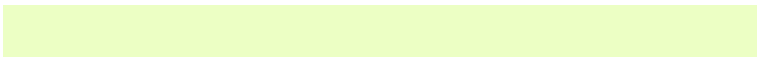
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8584, 90.5543, 65.2847



81.8722, 88.7486, 57.9429



80.4216, 93.3929, 66.0137



19.2840, 20.5361, 19.0918



33.9219, 35.8549, 5.1328



3.3690, 3.6234, 0.5218



# Inverse Universe

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



62.8858, 63.0966, 103.4722



57.3925, 56.7032, 102.5276



65.7222, 61.1002, 102.9373



17.2516, 17.8748, 22.7909



9.9588, 4.8271, 49.8414



1.0357, 0.6021, 4.8749



# Previews

## White Background



This preview shows how the XYZ color 83.8562, 90.5503, 65.2828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

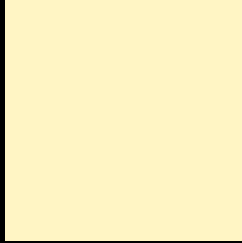
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8562, 90.5503, 65.2828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

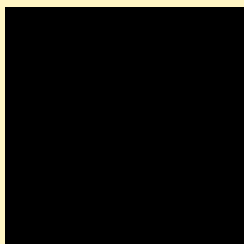
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.8562, 90.5503, 65.2828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.8562, 90.5503, 65.2828.



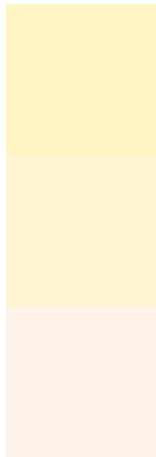
This preview shows how white text looks on a background with the XYZ color 83.8562, 90.5503,

65.2828.

# 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

83.8562, 90.5503, 65.2828

### Protanopia

85.3486, 90.6645, 74.6297

### Deuteranopia

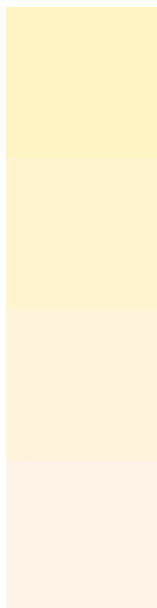
87.7001, 90.6475, 89.9652



## Tritanopia

89.8127, 90.5452, 104.0101

# Trichromacy



## Original Color

83.8562, 90.5503, 65.2828

## Protanomaly

84.7313, 90.4176, 71.3790

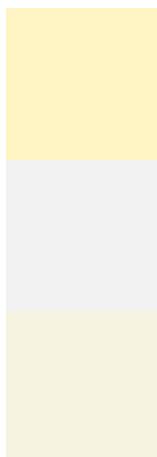
## Deuteranomaly

86.2089, 90.5285, 80.6402

## Tritanomaly

87.4159, 90.5338, 88.4688

# Monochromacy



## Original Color

83.8562, 90.5503, 65.2828

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.9990, 89.3116, 84.0458

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8562, 90.5503, 65.2828 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, 245, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 196)  
}
```

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, 245, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8562, 90.5503, 65.2828 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, 245, 196) }
```



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

```
.border{ border-color:rgb(255, 245, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 245, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 245, 196); box-shadow:4px 4px 4px 4px rgb(255, 245, 196) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8562, 90.5503, 65.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 196) }
```

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

```
.background{ background-color: rgb(255,  
245, 196) }
```

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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