

# Converting Colors

XYZ(94.9779, 90.1369, 82.8786)

Have a look what the booklet for  
XYZ(94.9779, 90.1369, 82.8786)  
contains.

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# Color

**XYZ(83.5512, 84.3550,  
82.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8E0
RGB	255, 232, 224
RGB Percent	100%, 91%, 88%
CMY	0.0000, 0.0902, 0.1216
CMYK	0.00, 0.09, 0.12, 0.00
HSL	15°, 100%, 94%
HSV	15°, 12%, 100%
XYZ	83.5512, 84.3550, 82.3995
YIQ	237.9650, 16.2760, 2.3880

# Conversions

## Conversions Part 2

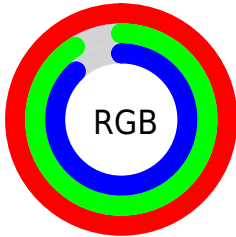
Format	Color
R <sub>Y</sub> B	255, 235, 224
Decimal	16771296
CIE Lab	93.60, 6.54, 6.72
CIE LCh	94, 9.372, 45.775
Yxy	84.3550, 0.3338, 0.3370
Android (android.graphics.Color)	4294961376 (0xFFFFE8E0)
YUV	237.9650, -6.8847, 14.9397
Hunter-Lab	91.8450, 1.6524, 11.0990

# Details

The XYZ color **83.5512, 84.3550, 82.3995** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0504, 89.5864, 107.5751**, and the grayscale version is **81.2854, 85.5186, 93.1297**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9755, 45.9210, 43.9766** is the 20% darker color. If you saturate the color by 10%, you get **75.3080, 72.9945, 63.8501**, and if you desaturate by 10%, it is **92.8899, 97.0762, 103.8751**.

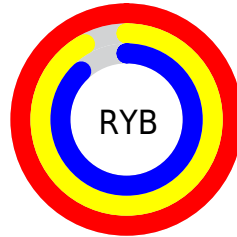
# Distribution



Red (100%)

Green (91%)

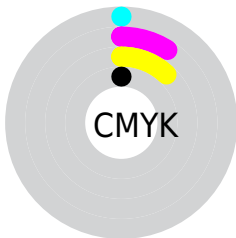
Blue (88%)



Red (100%)

Yellow (92%)

Blue (88%)

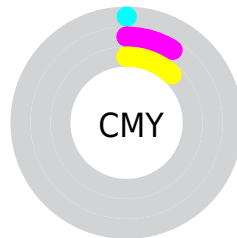


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5512, 84.3550, 82.3995 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 83.5512, 84.3550, 82.3995 by changing the saturation by 10% instead.




 83.5512, 84.3550,  
82.3995

 83.5512, 84.3550,  
82.3995


495.3779,  
509.4914, 522.9015

 62.9634, 63.3086,  
61.1572

137.2717,  
139.4717, 138.5758

 46.0702, 46.0909,  
43.9206


171.1352,  
174.3107, 174.3468

 32.5060, 32.3175,  
30.2714


210.1545,  
214.5160, 215.7978

 21.9057, 21.6042,  
19.7909

254.6952,  
260.4721, 263.3474

 13.9039, 13.5663,  
12.0605

305.1225,  
312.5632, 317.4140

 8.1351, 7.8197,  
6.6619

361.8018,

 4.2340, 3.9798,

371.1739, 378.4162

3.1763

425.0985,  
436.6885, 446.7725

■ 1.8354, 1.6623,  
1.1854

■ 0.5388, 0.3990,  
0.0000

■ 83.5512, 84.3550,  
82.3995

■ 83.5512, 84.3550,  
82.3995

■ 75.3080, 72.9945,  
63.8501

■ 92.8899, 97.0762,  
103.8751

■ 68.1138, 62.9388,  
48.0944

95.0500, 100.0000,  
108.9000

■ 61.9265, 54.1435,  
34.9975

■ 56.6993, 46.5578,  
24.4111

■ 52.3812, 40.1273,  
16.1724

■ 48.9164, 34.7931,  
10.0991

■ 46.2421, 30.4907,  
5.9816

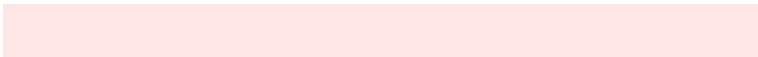
■ 44.2852, 27.1483,  
3.5680

■ 43.1792, 25.1384,  
2.5764

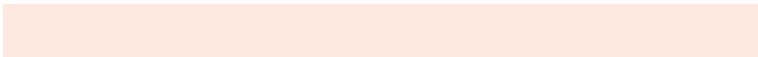
# Harmonies

## Analogous

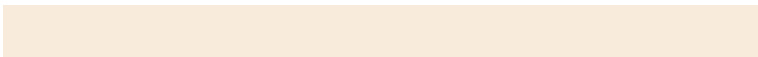
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8569, 84.3550, 88.1831



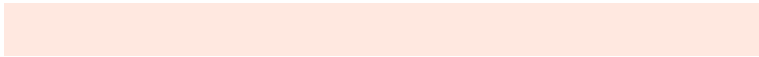
83.5512, 84.3550, 82.3995



81.3551, 84.3550, 79.2285

# Triad

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



83.5512, 84.3550, 82.3995



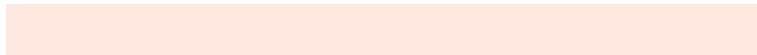
75.6400, 84.3550, 88.5310



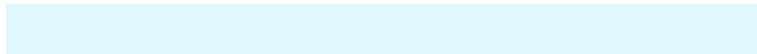
81.4811, 84.3550, 105.6365

# Complementary

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



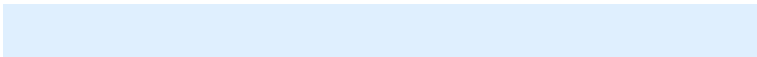
83.5512, 84.3550, 82.3995



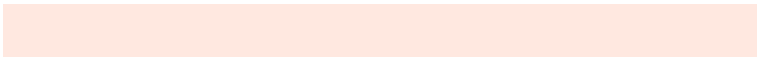
82.0504, 89.5864, 107.5751

# Split Complementary

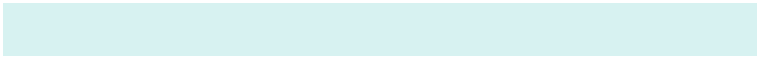
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0101, 84.3550, 105.7416



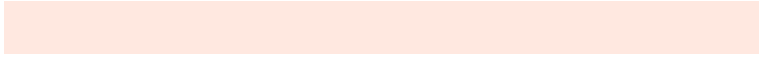
83.5512, 84.3550, 82.3995



75.6722, 84.3550, 95.6136

# Square

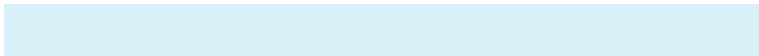
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5512, 84.3550, 82.3995



76.8060, 84.3550, 82.6429



76.8947, 84.3550, 101.9931

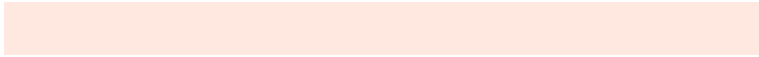


83.6450, 84.3550, 101.7130



# Rectangle

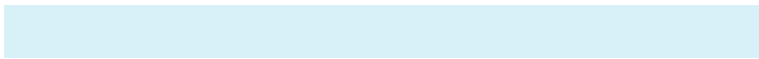
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5512, 84.3550, 82.3995



79.6977, 84.3550, 78.9121



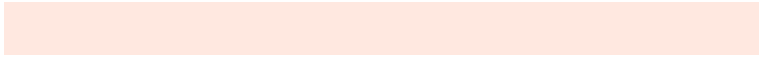
76.8947, 84.3550, 101.9931



80.6580, 84.3550, 106.1261

# Sweetspot

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



83.5531, 84.3585, 82.4013



91.0845, 94.6275, 99.6905



84.7233, 81.3031, 99.4261



19.3405, 20.0433, 20.9788



0.0000, 0.0000, 0.0000

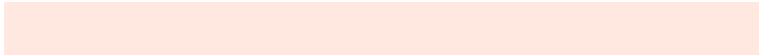


20.3446, 21.4041, 23.3091

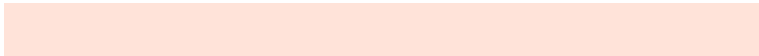


# Same Dimension

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



83.5531, 84.3585, 82.4013



81.0990, 80.9910, 76.8337



88.0322, 93.3167, 83.8943



18.3906, 18.7494, 18.7940



22.6632, 13.3377, 1.3800

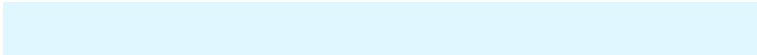


2.2903, 1.4660, 0.1623

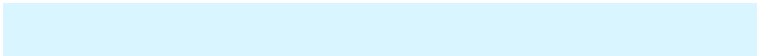


# Inverse Universe

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



82.0504, 89.5864, 107.5751



79.2807, 87.3128, 107.2823



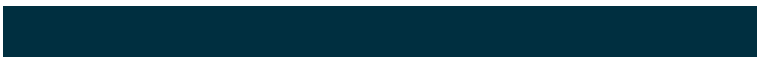
77.5776, 80.6408, 106.0842



18.1346, 19.6407, 23.0852



19.0846, 23.0787, 52.8834

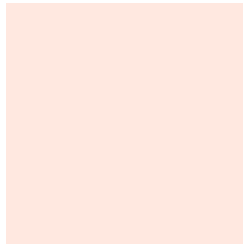


1.9464, 2.4235, 5.1785



# Previews

## White Background



This preview shows how the XYZ color 83.5512, 84.3550, 82.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

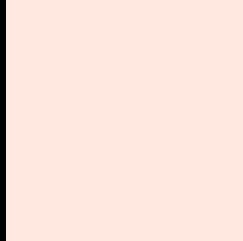
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.5512, 84.3550, 82.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

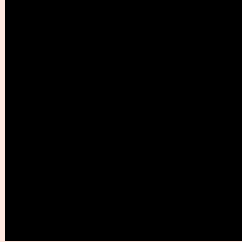
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

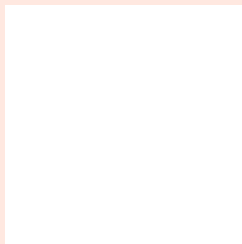
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.5512, 84.3550, 82.3995

## Background



This preview shows how black text looks on a background with the XYZ color 83.5512, 84.3550, 82.3995.



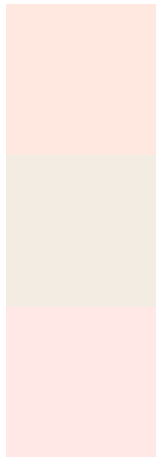
This preview shows how white text looks on a background with the XYZ color 83.5512, 84.3550,

82.3995.

# 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

83.5512, 84.3550, 82.3995

### Protanopia

80.6851, 84.5366, 84.0161

### Deuteranopia

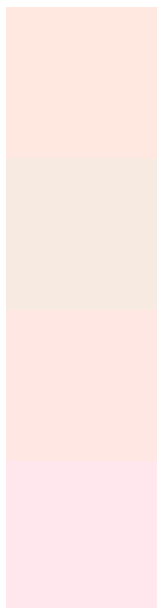
84.2395, 84.6304, 86.0241



## Tritanopia

86.0182, 84.4462, 98.1523

# Trichromacy



## Original Color

83.5512, 84.3550, 82.3995

## Protanomaly

81.6567, 84.6271, 83.2650

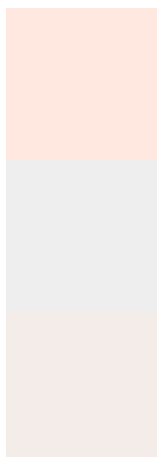
## Deuteranomaly

83.9617, 84.5193, 84.5616

## Tritanomaly

85.1020, 84.5263, 91.9506

# Monochromacy



## Original Color

83.5512, 84.3550, 82.3995

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.0117, 85.1072, 89.1956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.5512, 84.3550, 82.3995 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, 232, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 224)  
}
```

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, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 83.5512, 84.3550, 82.3995 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, 232, 224) }
```



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

```
.border{ border-color:rgb(255, 232, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.5512, 84.3550, 82.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 224) }
```

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

```
.background{ background-color: rgb(255,  
232, 224) }
```

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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