

# Converting Colors

XYZ(95.1945, 100.0000,  
64.7068)

Have a look what the booklet for  
XYZ(95.1945, 100.0000, 64.7068)  
contains.

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# Color

**XYZ(85.9909, 95.3608,  
64.3263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDC1
RGB	255, 253, 193
RGB Percent	100%, 99%, 76%
CMY	0.0000, 0.0078, 0.2431
CMYK	0.00, 0.01, 0.24, 0.00
HSL	58°, 100%, 88%
HSV	58°, 24%, 100%
XYZ	85.9909, 95.3608, 64.3263
YIQ	246.7580, 20.4520, -18.2360

# Conversions

## Conversions Part 2

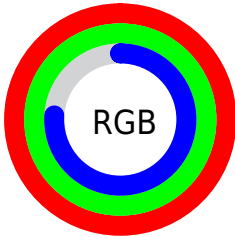
Format	Color
R <sub>Y</sub> B	195, 255, 193
Decimal	16776641
CIE Lab	98.18, -8.56, 29.04
CIE LCh	98, 30.275, 106.421
Yxy	95.3608, 0.3500, 0.3882
Android (android.graphics.Color)	4294966721 (0xFFFFFDC1)
YUV	246.7580, -26.5027, 7.2282
Hunter-Lab	97.6529, -13.7094, 29.3012

# Details

The XYZ color **85.9909, 95.3608, 64.3263** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.5570, 57.5860, 102.5840**, and the grayscale version is **88.4103, 93.0145, 101.2928**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **47.6888, 53.3497, 32.2101** is the 20% darker color. If you saturate the color by 10%, you get **83.1306, 93.8066, 50.5281**, and if you desaturate by 10%, it is **89.3475, 97.1218, 80.7120**.

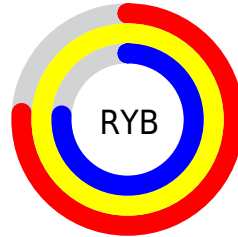
# Distribution



Red (100%)

Green (99%)

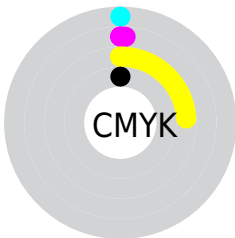
Blue (76%)



Red (76%)

Yellow (100%)

Blue (76%)

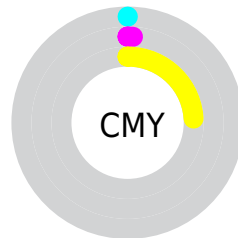


Cyan (0%)

Magenta (1%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9909, 95.3608, 64.3263 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 85.9909, 95.3608, 64.3263 by changing the saturation by 10% instead.





 85.9909, 95.3608,  
64.3263

 85.9909, 95.3608,  
64.3263


503.3356,  
545.3194, 458.6068

 64.9857, 72.4353,  
46.4671


 140.6637,  
154.7630, 112.6847

 47.7141, 53.5143,  
32.2633


175.0620,  
192.0084, 144.0210

 33.8109, 38.2135,  
21.2962


214.6553,  
234.7960, 180.6868

 22.9105, 26.1485,  
13.1473

259.8091,  
283.5101, 223.1006

 14.6478, 16.9347,  
7.3982

310.8887,  
338.5351, 271.6810

 8.6573, 10.1880,  
3.6301

368.2594,

 4.5736, 5.5238,

400.2554, 326.8465

1.4247

432.2866,  
469.0553, 389.0155

■ 2.0315, 2.5577,  
0.1609

■ 0.6516, 0.9055,  
0.0000

■ 85.9909, 95.3608,  
64.3263

■ 85.9909, 95.3608,  
64.3263

■ 83.1306, 93.8066,  
50.5281

■ 89.3475, 97.1218,  
80.7120

■ 80.7344, 92.4366,  
39.1789

■ 93.2168, 99.0864,  
99.8022

■ 78.7774, 91.2441,  
30.1364

95.0500, 100.0000,  
108.9000

■ 77.2291, 90.2168,  
23.2412

■ 76.0556, 89.3412,  
18.3137

■ 75.2171, 88.6013,  
15.1451

■ 74.6651, 87.9779,  
13.4797

■ 74.4398, 87.6595,  
12.9966

# Harmonies

## Analogous

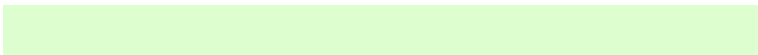
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6219, 95.3608, 63.8806



85.9909, 95.3608, 64.3263



79.0523, 95.3608, 74.1856

# Triad

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



85.9909, 95.3608, 64.3263



79.5888, 95.3608, 142.5443



107.8884, 95.3608, 115.4904

# Complementary

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



85.9909, 95.3608, 64.3263



59.5570, 57.5860, 102.5840

# 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.



103.3028, 95.3608, 140.4798



85.9909, 95.3608, 64.3263



86.7667, 95.3608, 157.7048

# Square

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



85.9909, 95.3608, 64.3263



75.5211, 95.3608, 117.9708



95.4487, 95.3608, 156.8940



107.6475, 95.3608, 90.8700

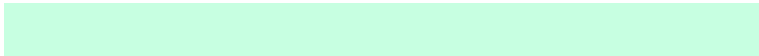


# Rectangle

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



85.9909, 95.3608, 64.3263



76.1554, 95.3608, 85.8236



95.4487, 95.3608, 156.8940



106.8484, 95.3608, 124.1975

# Sweetspot

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



85.9932, 95.3650, 64.3283



92.1252, 98.5375, 94.3998



70.1686, 63.3441, 60.1989



19.6672, 21.0652, 19.9517



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

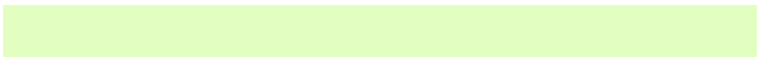
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9932, 95.3650, 64.3283



84.5917, 94.6105, 57.5461



76.7711, 91.5500, 64.0780



19.5082, 20.9846, 19.1666



38.9187, 45.8487, 6.7985



3.8045, 4.4943, 0.6670



# Inverse Universe

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



59.5570, 57.5860, 102.5840



54.1397, 51.0936, 101.6163



67.2246, 60.8801, 102.8157



17.0498, 17.4713, 22.7236



9.4983, 3.9061, 49.6879

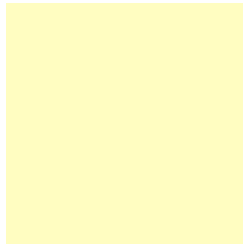


0.9406, 0.4118, 4.8432



# Previews

## White Background



This preview shows how the XYZ color 85.9909, 95.3608, 64.3263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

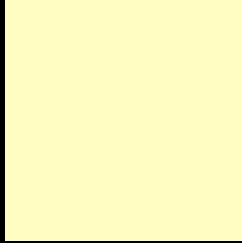
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.9909, 95.3608, 64.3263 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 85.9909, 95.3608, 64.3263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.9909, 95.3608, 64.3263.



This preview shows how white text looks on a background with the XYZ color 85.9909, 95.3608,

64.3263.

# 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

85.9909, 95.3608, 64.3263

### Protanopia

90.2769, 95.5717, 91.5310

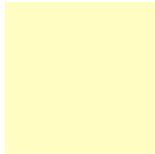
### Deuteranopia

91.4448, 95.5430, 99.2099

## Tritanopia

92.8574, 95.6148, 108.1691

# Trichromacy



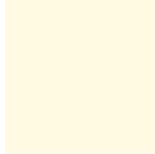
## Original Color

85.9909, 95.3608, 64.3263



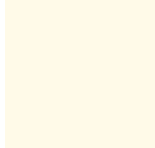
## Protanomaly

88.5234, 95.3688, 80.7602



## Deuteranomaly

89.0162, 95.0675, 84.8924



## Tritanomaly

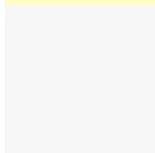
89.9911, 95.4574, 90.0260

# Monochromacy



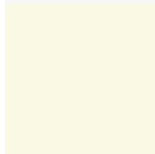
## Original Color

85.9909, 95.3608, 64.3263



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

87.1652, 93.6214, 86.1497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.9909, 95.3608, 64.3263 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, 253, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 193)  
}
```

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, 253, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 85.9909, 95.3608, 64.3263 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, 253, 193) }
```



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

```
.border{ border-color:rgb(255, 253, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.9909, 95.3608, 64.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 193) }
```

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

```
.background{ background-color: rgb(255,  
253, 193) }
```

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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