

# Converting Colors

XYZ(81.6996, 91.3939, 59.2337)

Have a look what the booklet for  
XYZ(81.6996, 91.3939, 59.2337)  
contains.

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# Color

**XYZ(81.6996, 91.3939,  
59.2337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F9B9
RGB	249, 249, 185
RGB Percent	98%, 98%, 73%
CMY	0.0235, 0.0235, 0.2745
CMYK	0.00, 0.00, 0.26, 0.02
HSL	60°, 84%, 85%
HSV	60°, 26%, 98%
XYZ	81.6996, 91.3939, 59.2337
YIQ	241.7040, 20.5440, -19.9040

# Conversions

## Conversions Part 2

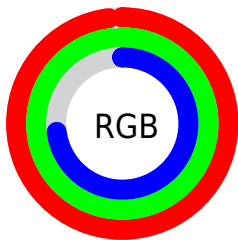
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 249, 185
Decimal	16382393
CIE <sub>Lab</sub>	96.57, -9.82, 30.82
CIE <sub>LCh</sub>	97, 32.348, 107.670
Yxy	91.3939, 0.3517, 0.3934
Android (android.graphics.Color)	4294572473 (0xFFFF9F9B9)
YUV	241.7040, -27.9551, 6.3986
Hunter-Lab	95.6002, -14.7547, 30.1841

# Details

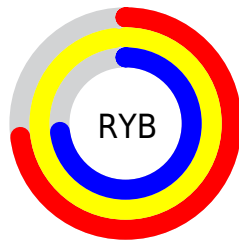
The XYZ color **81.6996, 91.3939, 59.2337** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.4589, 51.8541, 96.7663**, and the grayscale version is **84.3687, 88.7625, 96.6623**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **44.9049, 50.9851, 28.9471** is the 20% darker color. If you saturate the color by 10%, you get **79.2980, 90.4363, 46.5809**, and if you desaturate by 10%, it is **84.5663, 92.5438, 74.3150**.

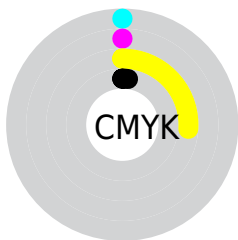
# Distribution



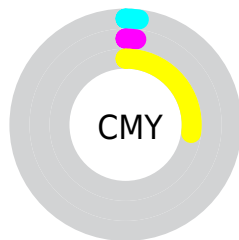
- Red (98%)
- Green (98%)
- Blue (73%)



- Red (73%)
- Yellow (98%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (2%)



- Cyan (2%)
- Magenta (2%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6996, 91.3939, 59.2337 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 81.6996, 91.3939, 59.2337 by changing the saturation by 10% instead.



81.6996, 91.3939,  
59.2337

81.6996, 91.3939,  
59.2337

489.2921,  
532.5548, 439.4934

61.4312, 69.1373,  
42.3800

134.6907,  
149.2731, 105.2497

44.8271, 50.8236,  
29.0712

168.1441,  
185.6645, 135.2491

31.5220, 36.0682,  
18.8886

206.7232,  
227.5362, 170.4675

21.1504, 24.4869,  
11.4138

250.7934,  
275.2728, 211.3235

13.3471, 15.6952,  
6.2283

300.7200,  
329.2585, 258.2355

7.7466, 9.3087,  
2.9133

356.8685,

3.9837, 4.9431,

389.8779, 311.6221

1.0506

419.6040,  
457.5151, 371.9019

■ 1.6929, 2.2139,  
0.0000

■ 0.4518, 0.7276,  
0.0000

■ 81.6996, 91.3939,  
59.2337

■ 81.6996, 91.3939,  
59.2337

■ 79.2980, 90.4363,  
46.5809

■ 84.5663, 92.5438,  
74.3150

■ 77.3305, 89.6492,  
36.2242


■ 87.9134, 93.8828,  
91.9362


■ 75.7732, 89.0262,  
28.0279


■ 90.9972, 95.1164,  
108.1710


■ 74.5971, 88.5557,  
21.8391

■ 90.9980, 95.1168,  
108.1710


 73.7696, 88.2246,  
17.4854


 90.9988, 95.1172,  
108.1710

 73.2522, 88.0176,  
14.7654


 90.9996, 95.1176,  
108.1711

 72.9978, 87.9157,  
13.4295

 91.0004, 95.1180,  
108.1711

 72.9387, 87.8920,  
13.1206

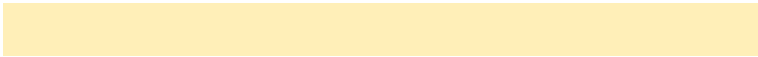
 91.0012, 95.1184,  
108.1712

 91.0020, 95.1189,  
108.1712

# Harmonies

## Analogous

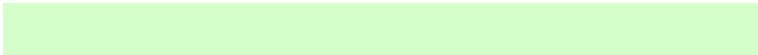
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6301, 91.3939, 58.3887



81.6996, 91.3939, 59.2337



74.6458, 91.3939, 69.6264

# Triad

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



81.6996, 91.3939, 59.2337



75.6853, 91.3939, 141.0150



104.9694, 91.3939, 110.5199

# Complementary

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



81.6996, 91.3939, 59.2337



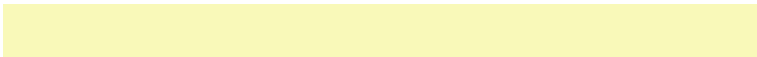
54.4589, 51.8541, 96.7663

# 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.



100.3545, 91.3939, 136.9194



81.6996, 91.3939, 59.2337



83.2098, 91.3939, 156.4655

# Square

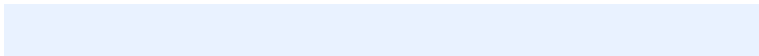
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



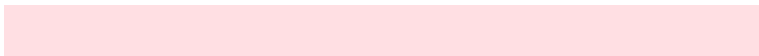
81.6996, 91.3939, 59.2337



71.3426, 91.3939, 115.3924



92.2482, 91.3939, 154.8486



104.4948, 91.3939, 85.1605

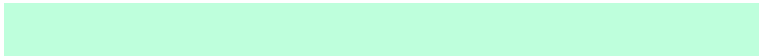


# Rectangle

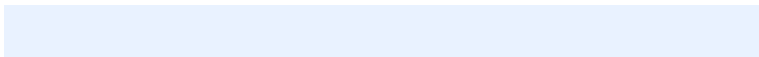
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6996, 91.3939, 59.2337



71.7671, 91.3939, 81.7800



92.2482, 91.3939, 154.8486



103.9493, 91.3939, 119.6390

# Sweetspot

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



81.7019, 91.3980, 59.2356



91.9370, 98.7547, 92.5106



65.1758, 58.3427, 53.7263



19.5611, 21.0907, 19.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

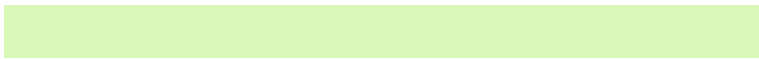
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7019, 91.3980, 59.2356



84.8289, 95.9112, 55.0901



71.2514, 86.0105, 58.7466



18.7273, 20.1907, 18.3726



39.0408, 47.0446, 7.0228



3.6159, 4.3572, 0.6504



# Inverse Universe

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



54.4589, 51.8541, 96.7663



51.4603, 47.4762, 101.0593



63.0659, 56.2912, 97.1691



16.2833, 16.6431, 21.7395



9.1530, 3.6612, 48.1978

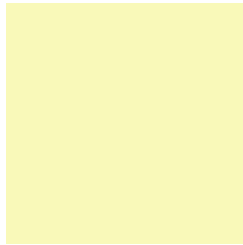


0.8478, 0.3391, 4.4640



# Previews

## White Background



This preview shows how the XYZ color 81.6996, 91.3939, 59.2337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

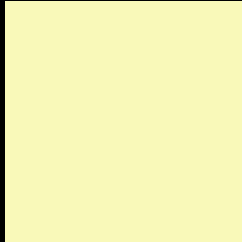
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.6996, 91.3939, 59.2337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

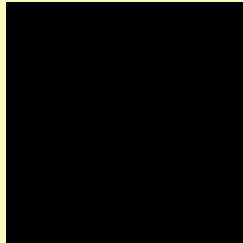
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.6996, 91.3939, 59.2337

## Background



This preview shows how black text looks on a background with the XYZ color 81.6996, 91.3939, 59.2337.



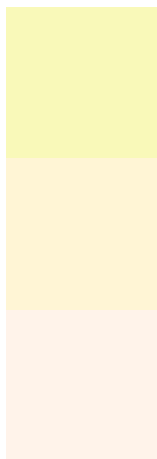
This preview shows how white text looks on a background with the XYZ color 81.6996, 91.3939,



# 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

81.6996, 91.3939, 59.2337

### Protanopia

85.9026, 91.3689, 76.0592

### Deuteranopia

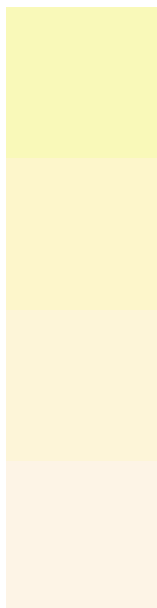
88.1419, 91.3017, 90.8193



## Tritanopia

90.7453, 91.3906, 107.4651

# Trichromacy



## Original Color

81.6996, 91.3939, 59.2337

## Protanomaly

84.2433, 91.1060, 69.6450

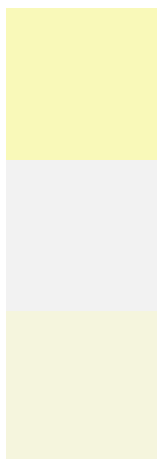
## Deuteranomaly

85.5551, 91.1453, 78.0493

## Tritanomaly

87.1416, 91.2972, 87.8922

# Monochromacy



## Original Color

81.6996, 91.3939, 59.2337

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.3597, 89.9378, 81.3728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.6996, 91.3939, 59.2337 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(249, 249, 185)` looks like.

```
.text, #text, p{  
    color:rgb(249, 249, 185)  
}
```

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(249, 249, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 249, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 81.6996, 91.3939, 59.2337 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(249, 249, 185) }
```



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

```
.border{ border-color:rgb(249, 249, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 249, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 249, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 249, 185);  
box-shadow:4px 4px 4px 4px rgb(249, 249,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.6996, 91.3939, 59.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 249, 185) }
```

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

```
.background{ background-color: rgb(249,  
249, 185) }
```

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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