

# Converting Colors

XYZ(82.0354, 90.7922, 62.4549)

Have a look what the booklet for  
XYZ(82.0354, 90.7922, 62.4549)  
contains.

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# Color

**XYZ(81.7317, 90.4229,  
62.4359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F7BF
RGB	249, 247, 191
RGB Percent	98%, 97%, 75%
CMY	0.0235, 0.0313, 0.2510
CMYK	0.00, 0.01, 0.23, 0.02
HSL	58°, 83%, 86%
HSV	58°, 23%, 98%
XYZ	81.7317, 90.4229, 62.4359
YIQ	241.2140, 19.1680, -16.9920

# Conversions

## Conversions Part 2

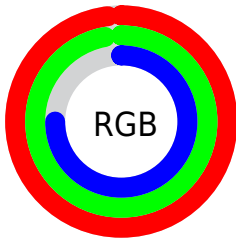
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 249, 191
Decimal	16381887
CIE <sub>Lab</sub>	96.17, -8.03, 27.24
CIE <sub>LCh</sub>	96, 28.401, 106.428
Yxy	90.4229, 0.3484, 0.3854
Android (android.graphics.Color)	4294571967 (0xFFFF9F7BF)
YUV	241.2140, -24.7555, 6.8283
Hunter-Lab	95.0910, -12.9865, 27.6344

# Details

The XYZ color **81.7317, 90.4229, 62.4359** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.6546, 56.0546, 97.4039**, and the grayscale version is **83.9580, 88.3304, 96.1918**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **44.8844, 50.2742, 31.0051** is the 20% darker color. If you saturate the color by 10%, you get **78.9609, 88.8997, 49.1232**, and if you desaturate by 10%, it is **84.9743, 92.1429, 78.2063**.

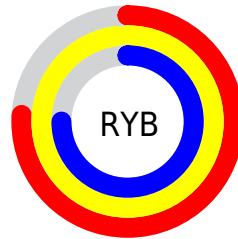
# Distribution



Red (98%)

Green (97%)

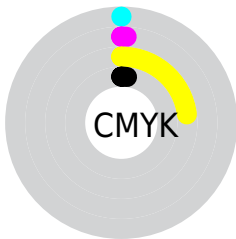
Blue (75%)



Red (76%)

Yellow (98%)

Blue (75%)

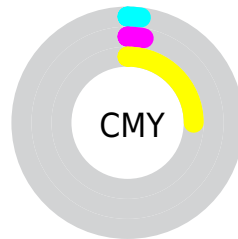


Cyan (0%)

Magenta (1%)

Yellow (23%)

Black (2%)



Cyan (2%)

Magenta (3%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7317, 90.4229, 62.4359 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 81.7317, 90.4229, 62.4359 by changing the saturation by 10% instead.





 81.7317, 90.4229,  
62.4359

 81.7317, 90.4229,  
62.4359


489.3979,  
529.4056, 451.5708

 61.4578, 68.3314,  
44.9469


 134.7355,  
147.9257, 109.9330

 44.8486, 50.1674,  
31.0730


168.1960,  
184.1058, 140.7782

 31.5390, 35.5465,  
20.3955

206.7828,  
225.7509, 176.9126

 21.1635, 24.0841,  
12.4959


250.8612,  
273.2455, 218.7546

 13.3567, 15.3960,  
6.9558

300.7966,  
326.9738, 266.7230

 7.7533, 9.0978,  
3.3564

356.9542,

 3.9880, 4.8050,

387.3203, 321.2361

1.2794

419.6996,  
454.6695, 382.7125

■ 1.6953, 2.1333,  
0.0448

■ 0.4533, 0.6833,  
0.0000

■ 81.7317, 90.4229,  
62.4359

■ 81.7317, 90.4229,  
62.4359

■ 78.9609, 88.8997,  
49.1232

■ 84.9743, 92.1429,  
78.2063

■ 76.6313, 87.5518,  
38.1385

■ 88.7036, 94.0565,  
96.5439

■ 74.7197, 86.3730,  
29.3488

■ 91.1707, 95.4671,  
108.2295

■ 73.1978, 85.3521,  
22.6054

■ 91.4368, 95.9992,  
108.3182

72.0339, 84.4762,  
17.7411

91.7041, 96.5337,  
108.4073

71.1912, 83.7307,  
14.5628

91.9725, 97.0707,  
108.4968

70.6252, 83.0978,  
12.8353

92.2422, 97.6100,  
108.5867

70.3566, 82.7188,  
12.2581

92.5131, 98.1518,  
108.6770

92.7852, 98.6961,  
108.7677

# Harmonies

## Analogous

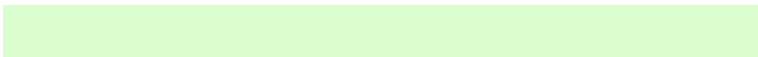
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5475, 90.4229, 62.0237



81.7317, 90.4229, 62.4359



75.4316, 90.4229, 71.4823

# Triad

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



81.7317, 90.4229, 62.4359



75.9221, 90.4229, 133.3432



101.5234, 90.4229, 108.9885

# Complementary

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



81.7317, 90.4229, 62.4359



57.6546, 56.0546, 97.4039

# 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.



97.3909, 90.4229, 131.4803



81.7317, 90.4229, 62.4359



82.4390, 90.4229, 146.9246

# Square

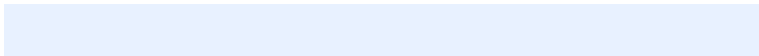
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7317, 90.4229, 62.4359



72.2203, 90.4229, 111.2388



90.2991, 90.4229, 146.1950



101.3052, 90.4229, 86.6905

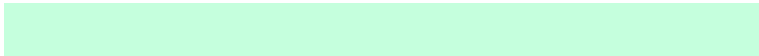


# Rectangle

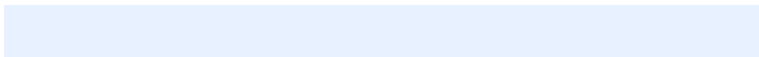
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7317, 90.4229, 62.4359



72.7966, 90.4229, 82.1082



90.2991, 90.4229, 146.1950



100.5867, 90.4229, 116.8394

# Sweetspot

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



81.7340, 90.4269, 62.4378



92.1125, 98.5122, 94.3956



67.4250, 61.2931, 59.2584



19.6643, 21.0593, 19.9507



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.



81.7340, 90.4269, 62.4378



84.8317, 94.6676, 58.9294



73.6811, 87.1857, 62.2366



18.6732, 20.0823, 18.3545



37.6833, 44.3232, 6.5691



3.5057, 4.1362, 0.6136



# Inverse Universe

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



57.6546, 56.0546, 97.4039



55.2920, 52.5020, 101.8274



64.3757, 58.8694, 97.5930



16.3309, 16.7386, 21.7554



9.2232, 3.8020, 48.2213

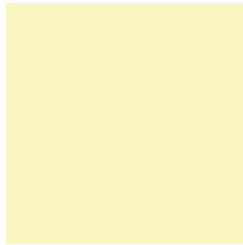


0.8705, 0.3848, 4.4716



# Previews

## White Background



This preview shows how the XYZ color 81.7317, 90.4229, 62.4359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

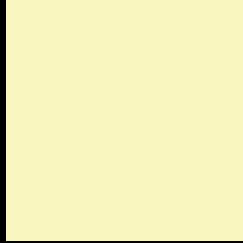
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.7317, 90.4229, 62.4359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

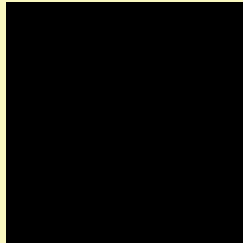
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.7317, 90.4229, 62.4359**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.7317, 90.4229, 62.4359.



This preview shows how white text looks on a background with the XYZ color 81.7317, 90.4229,



# 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

81.7317, 90.4229, 62.4359

### Protanopia

85.0993, 90.5648, 73.3171

### Deuteranopia

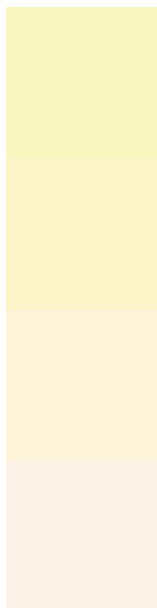
87.5576, 90.5905, 89.2149



## Tritanopia

89.9959, 90.1488, 106.4231

# Trichromacy



## Original Color

81.7317, 90.4229, 62.4359

## Protanomaly

83.8211, 90.4517, 68.9182

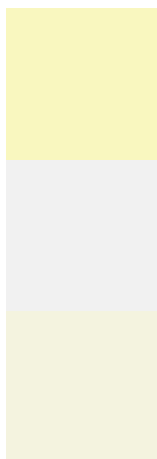
## Deuteranomaly

85.3831, 90.5938, 78.6318

## Tritanomaly

86.6839, 90.1564, 88.4345

# Monochromacy



## Original Color

81.7317, 90.4229, 62.4359

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.6781, 88.6620, 82.5679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.7317, 90.4229, 62.4359 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, 247, 191)` looks like.

```
.text, #text, p{  
    color:rgb(249, 247, 191)  
}
```

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, 247, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 247, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 81.7317, 90.4229, 62.4359 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, 247, 191) }
```



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

```
.border{ border-color:rgb(249, 247, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 247, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 247, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 247, 191);  
box-shadow:4px 4px 4px 4px rgb(249, 247,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.7317, 90.4229, 62.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 247, 191) }
```

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

```
.background{ background-color: rgb(249,  
247, 191) }
```

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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