

# Converting Colors

XYZ(72.0268, 80.9576, 59.3035)

Have a look what the booklet for  
XYZ(72.0268, 80.9576, 59.3035)  
contains.

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# Color

**XYZ(71.9944, 81.0222,  
59.4213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6EDBC
RGB	230, 237, 188
RGB Percent	90%, 93%, 74%
CMY	0.0980, 0.0706, 0.2627
CMYK	0.03, 0.00, 0.21, 0.07
HSL	69°, 58%, 83%
HSV	69°, 21%, 93%
XYZ	71.9944, 81.0222, 59.4213
YIQ	229.3210, 11.5570, -16.7230

# Conversions

## Conversions Part 2

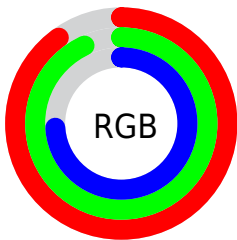
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 237, 195
Decimal	15134140
CIELab	92.14, -10.35, 23.01
CIELCh	92, 25.230, 114.209
Yxy	81.0222, 0.3389, 0.3814
Android (android.graphics.Color)	4293324220 (0xFFE6EDBC)
YUV	229.3210, -20.3713, 0.5955
Hunter-Lab	90.0123, -14.7523, 23.8686

# Details

The XYZ color **71.9944, 81.0222, 59.4213** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.7781, 53.6852, 87.5477**, and the grayscale version is **74.8538, 78.7520, 85.7609**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **38.3526, 43.7957, 29.3537** is the 20% darker color. If you saturate the color by 10%, you get **68.5705, 79.5310, 47.0018**, and if you desaturate by 10%, it is **75.8634, 82.6994, 74.0550**.

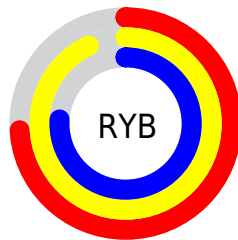
# Distribution



Red (90%)

Green (93%)

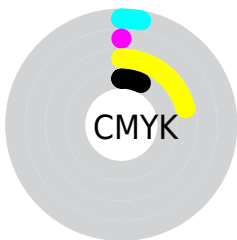
Blue (74%)



Red (74%)

Yellow (93%)

Blue (76%)

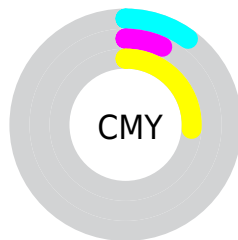


Cyan (3%)

Magenta (0%)

Yellow (21%)

Black (7%)



Cyan (10%)

Magenta (7%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9944, 81.0222, 59.4213 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 71.9944, 81.0222, 59.4213 by changing the saturation by 10% instead.



71.9944, 81.0222,  
59.4213

71.9944, 81.0222,  
59.4213

456.6800,  
498.3711, 440.2067

53.4395, 60.5599,  
42.5301

121.0594,  
134.8019, 105.5249

38.3827, 43.8701,  
29.1879

152.3003,  
168.8882, 135.5743

26.4584, 30.5684,  
18.9762

188.5005,  
208.2845, 170.8470

17.3013, 20.2704,  
11.4765

230.0255,  
253.3752, 211.7613

10.5462, 12.5918,  
6.2701

277.2406,  
304.5449, 258.7359

5.8276, 7.1480,  
2.9386

330.5112,

2.7802, 3.5549,

362.1778, 312.1893

1.0634

390.2025,  
426.6584, 372.5401

■ 1.0386, 1.4278,  
0.0000

■ 0.0000, 0.2371,  
0.0000

■ 71.9944, 81.0222,  
59.4213

■ 71.9944, 81.0222,  
59.4213

■ 68.5705, 79.5310,  
47.0018

■ 75.8634, 82.6994,  
74.0550

■ 65.5646, 78.2066,  
36.6837

■ 80.1902, 84.5594,  
90.9982

■ 62.9566, 77.0439,  
28.3517

■ 84.3270, 86.3459,  
106.8297

■ 60.7221, 76.0329,  
21.8778

■ 85.4891, 86.9450,  
106.8840

■ 58.8337, 75.1628,  
17.1188

■ 86.6728, 87.5552,  
106.9394

■ 57.2602, 74.4210,  
13.9108

■ 87.8782, 88.1766,  
106.9958

■ 55.9642, 73.7926,  
12.0578

■ 89.1055, 88.8092,  
107.0533

■ 54.9486, 73.2858,  
11.2495

■ 89.5759, 89.0518,  
107.0753

# Harmonies

## Analogous

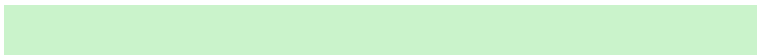
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2779, 81.0222, 57.1708



71.9944, 81.0222, 59.4213



67.3047, 81.0222, 68.8885

# Triad

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



71.9944, 81.0222, 59.4213



69.9249, 81.0222, 120.5744



90.1322, 81.0222, 91.8827

# Complementary

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



71.9944, 81.0222, 59.4213



55.7781, 53.6852, 87.5477

# Split Complementary

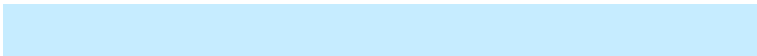
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6044, 81.0222, 110.8654



71.9944, 81.0222, 59.4213



75.7542, 81.0222, 128.8616

# Square

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



71.9944, 81.0222, 59.4213



66.1578, 81.0222, 103.7348



82.2516, 81.0222, 125.0800



88.9866, 81.0222, 74.3337

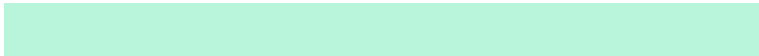


# Rectangle

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



71.9944, 81.0222, 59.4213



65.5921, 81.0222, 78.8279



82.2516, 81.0222, 125.0800



89.6797, 81.0222, 98.3287

# Sweetspot

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



71.9965, 81.0258, 59.4230



91.8835, 98.6410, 96.4014



63.4156, 60.4590, 55.9055



19.5957, 21.0826, 20.3558



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

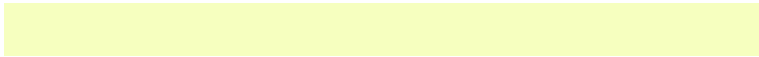


# Same Dimension

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



71.9965, 81.0258, 59.4230



83.1578, 94.8650, 63.3625



64.8085, 77.3202, 59.0866



16.1280, 17.5115, 16.0487



30.0840, 40.0533, 6.1455



2.4203, 3.1750, 0.4853



# Inverse Universe

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



55.7781, 53.6852, 87.5477



60.6519, 56.9202, 102.3977



62.4954, 57.1480, 87.8620



14.4315, 14.6522, 18.9898



8.7686, 3.5563, 43.9672

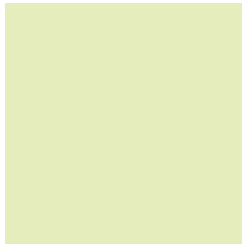


0.7512, 0.3115, 3.4554



# Previews

## White Background



This preview shows how the XYZ color 71.9944, 81.0222, 59.4213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

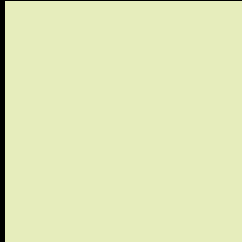
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9944, 81.0222, 59.4213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

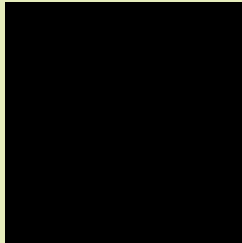
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

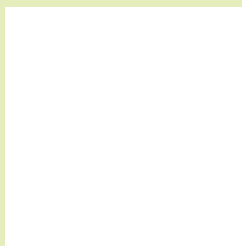
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.9944, 81.0222, 59.4213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9944, 81.0222, 59.4213.



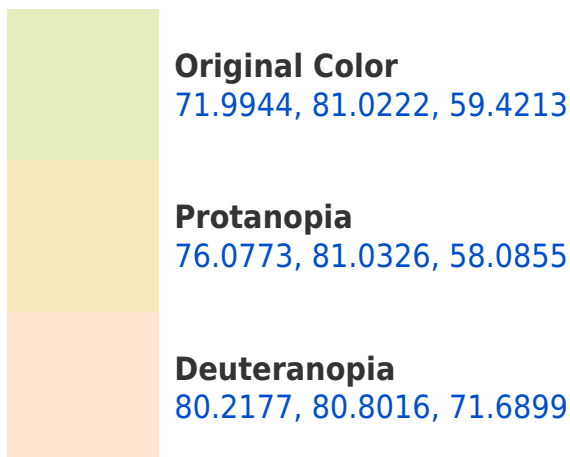
This preview shows how white text looks on a background with the XYZ color 71.9944, 81.0222,



# 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

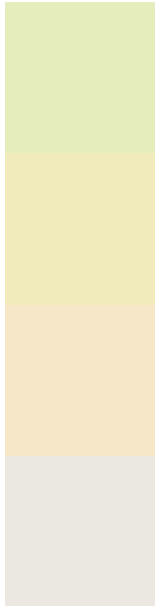




## Tritanopia

80.0677, 80.9312, 99.3969

# Trichromacy



## Original Color

71.9944, 81.0222, 59.4213

## Protanomaly

74.6681, 81.1343, 58.7388

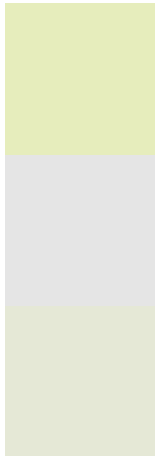
## Deuteranomaly

77.1246, 80.9617, 66.8206

## Tritanomaly

76.8450, 80.8664, 83.5101

# Monochromacy



## Original Color

71.9944, 81.0222, 59.4213

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

73.3073, 79.2263, 75.0468

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9944, 81.0222, 59.4213 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(230, 237, 188)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 188)  
}
```

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(230, 237, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9944, 81.0222, 59.4213 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(230, 237, 188) }
```



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

```
.border{ border-color:rgb(230, 237, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 188);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9944, 81.0222, 59.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 188) }
```

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

```
.background{ background-color: rgb(230,  
237, 188) }
```

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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