

# Converting Colors

XYZ(71.7474, 81.3027, 64.7187)

Have a look what the booklet for  
XYZ(71.7474, 81.3027, 64.7187)  
contains.

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# Color

**XYZ(71.7039, 81.1878,  
64.7149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1EEC5
RGB	225, 238, 197
RGB Percent	88%, 93%, 77%
CMY	0.1176, 0.0666, 0.2274
CMYK	0.05, 0.00, 0.17, 0.07
HSL	79°, 55%, 85%
HSV	79°, 17%, 93%
XYZ	71.7039, 81.1878, 64.7149
YIQ	229.4390, 5.4130, -15.5070

# Conversions

## Conversions Part 2

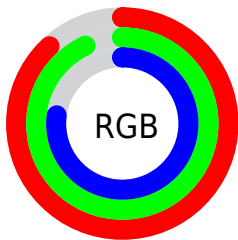
Format	Color
<a href="#">RYB</a>	<a href="#">197, 238, 210</a>
Decimal	<a href="#">14806725</a>
CIELab	<a href="#">92.22, -11.28, 18.42</a>
CIELCh	<a href="#">92, 21.600, 121.473</a>
Yxy	<a href="#">81.1878, 0.3295, 0.3731</a>
Android (android.graphics.Color)	<a href="#">4292996805 (0xFFE1EEC5)</a>
YUV	<a href="#">229.4390, -15.9924, -3.8930</a>
Hunter-Lab	<a href="#">90.1043, -15.6343, 20.4896</a>

# Details

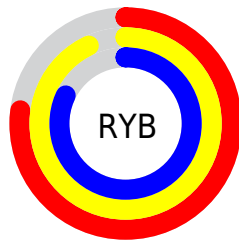
The XYZ color **71.7039, 81.1878, 64.7149** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.9803, 59.8093, 89.1709**, and the grayscale version is **74.9127, 78.8140, 85.8285**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.2634, 43.9851, 32.4599** is the 20% darker color. If you saturate the color by 10%, you get **66.8884, 78.9984, 51.3602**, and if you desaturate by 10%, it is **77.0584, 83.6102, 80.3457**.

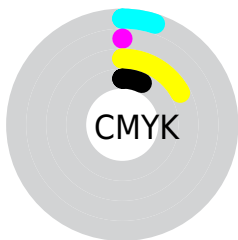
# Distribution



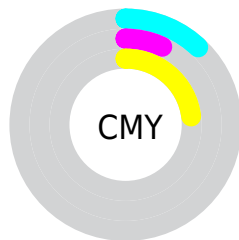
- Red (88%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (82%)



- Cyan (5%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7039, 81.1878, 64.7149 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 71.7039, 81.1878, 64.7149 by changing the saturation by 10% instead.



71.7039, 81.1878,  
64.7149

71.7039, 81.1878,  
64.7149

455.6840,  
498.9268, 460.0449

53.2014, 60.6963,  
46.7801

120.6485,  
135.0344, 113.2492

38.1917, 43.9801,  
32.5087

151.8214,  
169.1583, 144.6858

26.3094, 30.6549,  
21.4823

187.9485,  
208.5952, 181.4600

17.1891, 20.3362,  
13.2824

229.3951,  
253.7293, 223.9904

10.4656, 12.6397,  
7.4903

276.5266,  
304.9451, 272.6956

5.7734, 7.1809,  
3.6875

329.7083,

2.7471, 3.5755,

362.6271, 327.9940

1.4555

389.3057,  
427.1595, 390.3043

■ 1.0215, 1.4390,  
0.1845

■ 0.0000, 0.2452,  
0.0000

■ 71.7039, 81.1878,  
64.7149

■ 71.7039, 81.1878,  
64.7149

■ 66.8884, 78.9984,  
51.3602

■ 77.0584, 83.6102,  
80.3457

■ 62.5840, 77.0226,  
40.1701

■ 82.9655, 86.2631,  
98.3465

■ 58.7697, 75.2546,  
31.0318

■ 87.2124, 88.2643,  
107.0479

■ 55.4203, 73.6840,  
23.8198

■ 89.8662, 89.6323,  
107.1721

■ 52.5080, 72.2998,  
18.3953

■ 50.0015, 71.0890,  
14.6007

■ 47.8643, 70.0370,  
12.2509

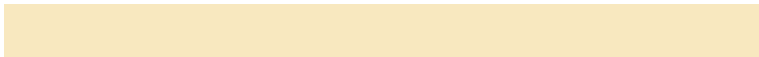
■ 46.0489, 69.1246,  
11.1048

■ 45.5823, 68.8883,  
10.8943

# Harmonies

## Analogous

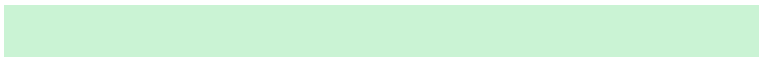
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8914, 81.1878, 61.1231



71.7039, 81.1878, 64.7149



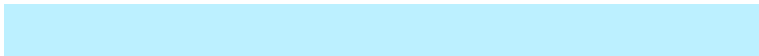
68.1260, 81.1878, 74.5329

# Triad

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



71.7039, 81.1878, 64.7149



72.1592, 81.1878, 118.2105



88.3869, 81.1878, 87.6131

# Complementary

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



71.7039, 81.1878, 64.7149



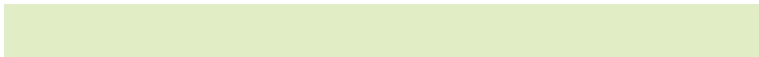
61.9803, 59.8093, 89.1709

# Split Complementary

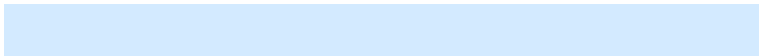
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9736, 81.1878, 103.8878



71.7039, 81.1878, 64.7149



77.4424, 81.1878, 122.7803

# Square

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



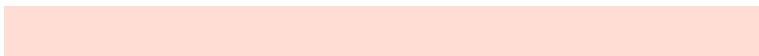
71.7039, 81.1878, 64.7149



68.3798, 81.1878, 105.4171



82.8999, 81.1878, 117.2555



86.6755, 81.1878, 73.3199

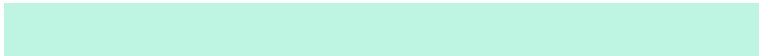


# Rectangle

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



71.7039, 81.1878, 64.7149



67.0430, 81.1878, 83.9249



82.8999, 81.1878, 117.2555



88.2611, 81.1878, 93.0308

# Sweetspot

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



71.7061, 81.1913, 64.7166



91.5925, 98.4469, 98.3761



68.3833, 68.2959, 62.4027



19.5034, 21.0262, 20.7521



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

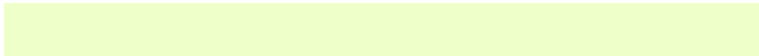


# Same Dimension

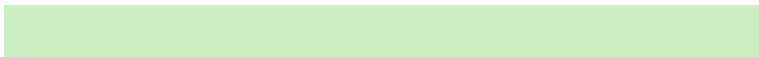
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7061, 81.1913, 64.7166



81.6210, 93.9382, 69.3663



65.6988, 78.0945, 64.4355



16.6070, 18.1931, 16.7860



25.5690, 38.5029, 6.0842



2.2297, 3.2560, 0.5109



# Inverse Universe

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



61.9803, 59.8093, 89.1709



68.0851, 64.1758, 103.4064



68.1902, 63.0106, 89.4615



15.3691, 15.4720, 19.8980



10.3682, 4.3504, 45.4211

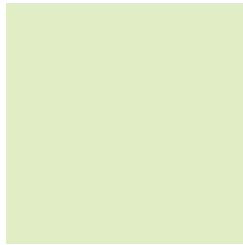


0.9619, 0.4131, 3.7833



# Previews

## White Background



This preview shows how the XYZ color 71.7039, 81.1878, 64.7149 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 71.7039, 81.1878, 64.7149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

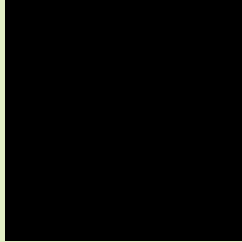
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

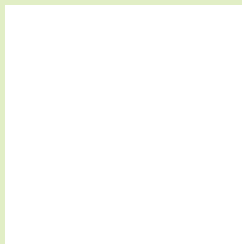
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.7039, 81.1878, 64.7149**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.7039, 81.1878, 64.7149.



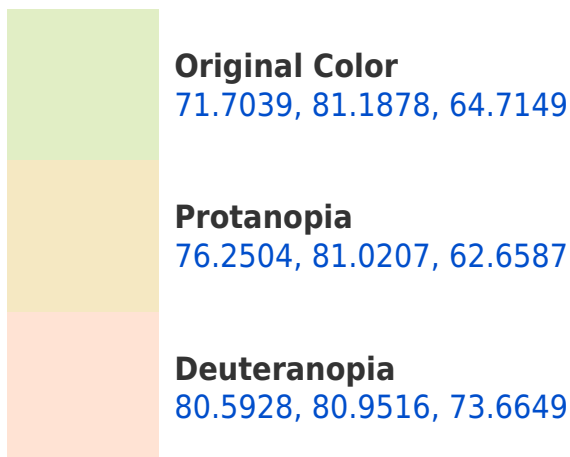
This preview shows how white text looks on a background with the XYZ color 71.7039, 81.1878,



# 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

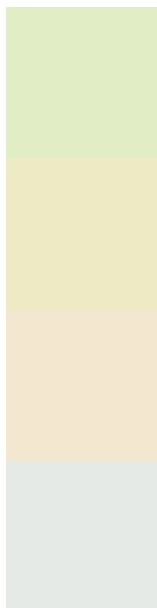




## Tritanopia

79.2791, 81.3150, 101.1394

# Trichromacy



## Original Color

71.7039, 81.1878, 64.7149

## Protanomaly

74.5330, 80.9629, 63.3289

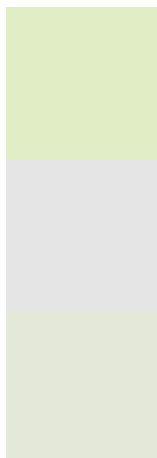
## Deuteranomaly

77.1466, 80.8899, 70.5787

## Tritanomaly

76.3389, 81.3818, 86.5477

# Monochromacy



## Original Color

71.7039, 81.1878, 64.7149

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

73.3759, 79.2170, 77.0687

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.7039, 81.1878, 64.7149 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(225, 238, 197)` looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 197)  
}
```

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(225, 238, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 71.7039, 81.1878, 64.7149 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(225, 238, 197) }
```



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

```
.border{ border-color:rgb(225, 238, 197) }
```

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

Here you see how a box with a 4 pixel rgb(225, 238, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 238, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 238, 197);  
box-shadow:4px 4px 4px 4px rgb(225, 238,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.7039, 81.1878, 64.7149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 197) }
```

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

```
.background{ background-color: rgb(225,  
238, 197) }
```

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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