

# Converting Colors

XYZ(69.8974, 81.4690, 49.0849)

Have a look what the booklet for  
XYZ(69.8974, 81.4690, 49.0849)  
contains.

<b>XYZ(69.9065, 81.4782, 49.0882)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.9065, 81.4782,  
49.0882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F0A8
RGB	227, 240, 168
RGB Percent	89%, 94%, 66%
CMY	0.1098, 0.0588, 0.3412
CMYK	0.05, 0.00, 0.30, 0.06
HSL	71°, 71%, 80%
HSV	71°, 30%, 94%
XYZ	69.9065, 81.4782, 49.0882
YIQ	227.9050, 15.3640, -25.1480

# Conversions

## Conversions Part 2

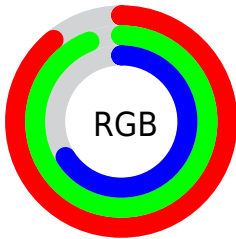
Format	Color
R <sub>Y</sub> B	168, 240, 181
Decimal	14938280
CIE Lab	92.34, -15.67, 33.44
CIE LCh	92, 36.932, 115.103
Yxy	81.4782, 0.3487, 0.4064
Android (android.graphics.Color)	4293128360 (0xFFE3F0A8)
YUV	227.9050, -29.5332, -0.7937
Hunter-Lab	90.2653, -19.7238, 30.9425

# Details

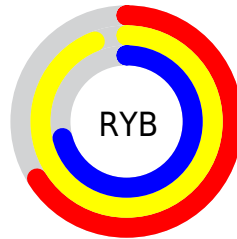
The XYZ color **69.9065, 81.4782, 49.0882** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.7900, 44.1225, 88.3876**, and the grayscale version is **73.8764, 77.7237, 84.6411**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **37.0296, 44.1767, 22.7949** is the 20% darker color. If you saturate the color by 10%, you get **66.5244, 79.9722, 38.3162**, and if you desaturate by 10%, it is **73.7399, 83.1743, 62.0386**.

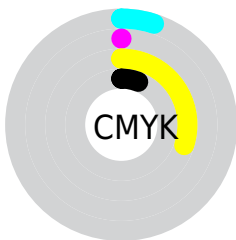
# Distribution



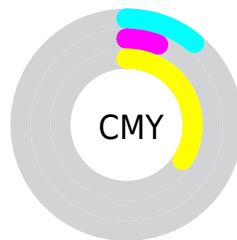
- Red (89%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (71%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9065, 81.4782, 49.0882 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 69.9065, 81.4782, 49.0882 by changing the saturation by 10% instead.



69.9065, 81.4782,  
49.0882

69.9065, 81.4782,  
49.0882

449.4932,  
499.9006, 399.7219

51.7296, 60.9355,  
34.3234

118.1024,  
135.4420, 90.2048

37.0130, 44.1731,  
22.8628

148.8522,  
169.6319, 117.3936

25.3913, 30.8066,  
14.2878

184.5236,  
209.1397, 149.5608

16.4991, 20.4517,  
8.1801

225.4820,  
254.3498, 187.1250

9.9711, 12.7238,  
4.1210

272.0928,  
305.6465, 230.5046

5.4419, 7.2386,  
1.6920

324.7214,

2.5462, 3.6118,

363.4143, 280.1183

0.3552

383.7331,  
428.0375, 336.3845

■ 0.9186, 1.4589,  
0.0000

■ 0.0000, 0.2595,  
0.0000

■ 69.9065, 81.4782,  
49.0882

■ 69.9065, 81.4782,  
49.0882

■ 66.5244, 79.9722,  
38.3162

■ 73.7399, 83.1743,  
62.0386

■ 63.5643, 78.6361,  
29.5978

■ 78.0397, 85.0582,  
77.2729

■ 61.0033, 77.4636,  
22.8032

■ 82.8277, 87.1414,  
94.8958

■ 58.8131, 76.4433,  
17.7861

■ 86.6384, 88.8377,  
107.1888

■ 56.9619, 75.5624,  
14.3790

■ 88.1633, 89.6238,  
107.2602

■ 55.4113, 74.8057,  
12.3825

■ 89.7238, 90.4283,  
107.3332

■ 54.0975, 74.1474,  
11.4606

■ 90.4518, 90.8036,  
107.3673

# Harmonies

## Analogous

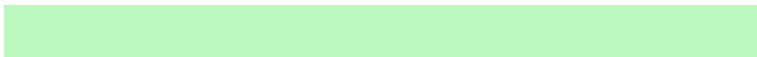
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0217, 81.4782, 45.9379



69.9065, 81.4782, 49.0882



63.3296, 81.4782, 61.8886

# Triad

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



69.9065, 81.4782, 49.0882



67.3996, 81.4782, 139.2497



97.2290, 81.4782, 93.2843

# Complementary

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



69.9065, 81.4782, 49.0882



48.7900, 44.1225, 88.3876

# Split Complementary

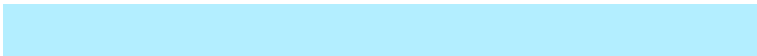
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5104, 81.4782, 122.3533



69.9065, 81.4782, 49.0882



75.8846, 81.4782, 152.1488

# Square

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



69.9065, 81.4782, 49.0882



61.9678, 81.4782, 112.9640



85.5017, 81.4782, 145.4054



95.3003, 81.4782, 68.2126

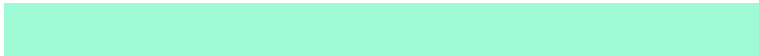


# Rectangle

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



69.9065, 81.4782, 49.0882



61.0094, 81.4782, 75.8640



85.5017, 81.4782, 145.4054



96.5898, 81.4782, 102.9430

# Sweetspot

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



69.9086, 81.4818, 49.0899



90.0639, 97.8313, 90.5176



59.3271, 53.9972, 44.3426



19.1142, 20.8687, 18.7840



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.



69.9086, 81.4818, 49.0899



77.7894, 92.4212, 48.4835



59.9690, 76.3578, 48.6248



16.8266, 18.3063, 16.7963



29.7158, 40.6406, 6.2782



2.5443, 3.4181, 0.5257



# Inverse Universe

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



48.7900, 44.1225, 88.3876



49.9543, 43.1625, 100.3061



58.0524, 48.8974, 88.8211



15.1635, 15.3660, 19.8883



9.2423, 3.7700, 45.3684

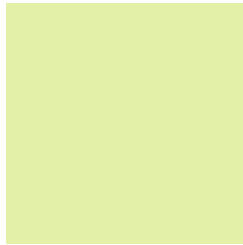


0.8431, 0.3519, 3.7777



# Previews

## White Background



This preview shows how the XYZ color 69.9065, 81.4782, 49.0882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

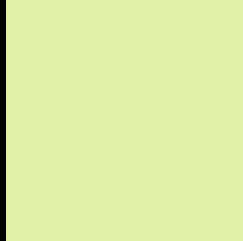
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9065, 81.4782, 49.0882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

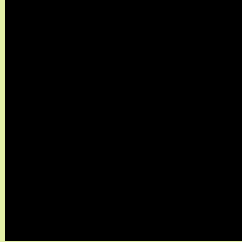
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

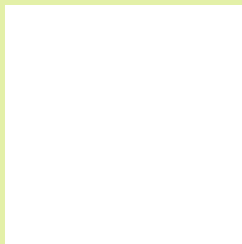
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.9065, 81.4782, 49.0882

## Background



This preview shows how black text looks on a background with the XYZ color 69.9065, 81.4782, 49.0882.



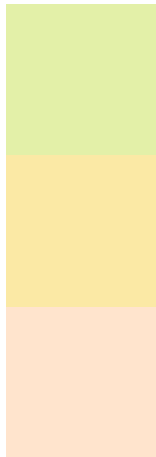
This preview shows how white text looks on a background with the XYZ color 69.9065, 81.4782, 49.0882.



# 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

69.9065, 81.4782, 49.0882

### Protanopia

75.7141, 81.5037, 47.3385

### Deuteranopia

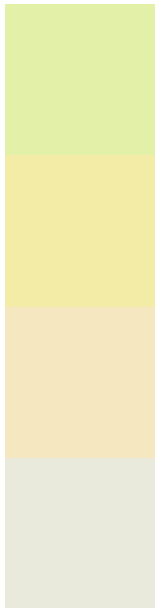
80.0028, 81.1546, 69.2054



## Tritanopia

80.1651, 81.3755, 100.2888

# Trichromacy



## Original Color

69.9065, 81.4782, 49.0882

## Protanomaly

73.4963, 81.6213, 47.9572

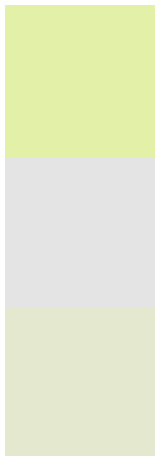
## Deuteranomaly

76.0272, 80.9315, 61.4834

## Tritanomaly

75.8133, 81.2837, 78.7114

# Monochromacy



## Original Color

69.9065, 81.4782, 49.0882

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

71.9921, 78.6634, 69.7817

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9065, 81.4782, 49.0882 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(227, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(227, 240, 168)  
}
```

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(227, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 240, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9065, 81.4782, 49.0882 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(227, 240, 168) }
```



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

```
.border{ border-color:rgb(227, 240, 168) }
```

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

Here you see how a box with a 4 pixel rgb(227, 240, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(227, 240,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9065, 81.4782, 49.0882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 240, 168) }
```

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

```
.background{ background-color: rgb(227,  
240, 168) }
```

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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