

# Converting Colors

XYZ(69.8311, 82.2065, 54.3075)

Have a look what the booklet for  
XYZ(69.8311, 82.2065, 54.3075)  
contains.

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# Color

**XYZ(69.9122, 82.2482,  
54.3102)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEF2B2
RGB	222, 242, 178
RGB Percent	87%, 95%, 70%
CMY	0.1294, 0.0510, 0.3020
CMYK	0.08, 0.00, 0.26, 0.05
HSL	79°, 71%, 82%
HSV	79°, 26%, 95%
XYZ	69.9122, 82.2482, 54.3102
YIQ	228.7240, 8.6240, -24.1440

# Conversions

## Conversions Part 2

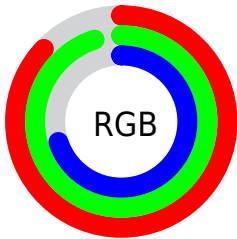
Format	Color
<a href="#">RYB</a>	<a href="#">178, 242, 198</a>
Decimal	<a href="#">14611122</a>
CIELab	<a href="#">92.68, -17.12, 28.77</a>
CIELCh	<a href="#">93, 33.483, 120.755</a>
Yxy	<a href="#">82.2482, 0.3386, 0.3984</a>
Android (android.graphics.Color)	<a href="#">4292801202 (0xFFDEF2B2)</a>
YUV	<a href="#">228.7240, -25.0069, -5.8969</a>
Hunter-Lab	<a href="#">90.6908, -21.1059, 27.9777</a>

# Details

The XYZ color **69.9122, 82.2482, 54.3102** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.2394, 50.2596, 90.7986**, and the grayscale version is **74.4487, 78.3258, 85.2968**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **36.9865, 44.7055, 26.0817** is the 20% darker color. If you saturate the color by 10%, you get **65.4291, 80.1961, 42.5162**, and if you desaturate by 10%, it is **74.9322, 84.5327, 68.3702**.

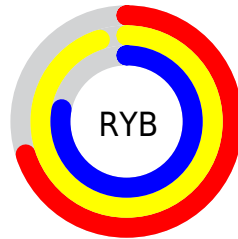
# Distribution



Red (87%)

Green (95%)

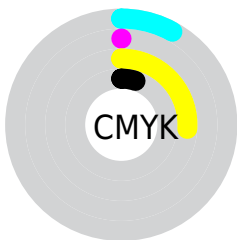
Blue (70%)



Red (70%)

Yellow (95%)

Blue (78%)

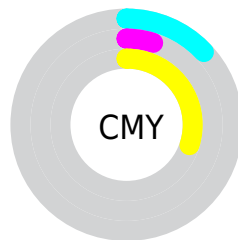


Cyan (8%)

Magenta (0%)

Yellow (26%)

Black (5%)



Cyan (13%)

Magenta (5%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9122, 82.2482, 54.3102 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 69.9122, 82.2482, 54.3102 by changing the saturation by 10% instead.





 69.9122, 82.2482,  
54.3102

 69.9122, 82.2482,  
54.3102


449.5129,  
502.4775, 420.4998

 51.7343, 61.5701,  
38.4549


 118.1105,  
136.5220, 97.9905

 37.0167, 44.6855,  
26.0313


148.8616,  
170.8865, 126.6526

 25.3942, 31.2097,  
16.6211


184.5345,  
210.5820, 160.4207

 16.5013, 20.7586,  
9.8056

225.4945,  
255.9929, 199.7133

 9.9727, 12.9477,  
5.1664

272.1069,  
307.5034, 244.9490

 5.4430, 7.3925,  
2.2848

324.7373,

 2.5468, 3.7088,

365.4981, 296.5462

0.7227

383.7508,  
430.3614, 354.9237

■ 0.9189, 1.5120,  
0.0000

■ 0.0000, 0.2972,  
0.0000

■ 69.9122, 82.2482,  
54.3102

■ 69.9122, 82.2482,  
54.3102

■ 65.4291, 80.1961,  
42.5162

■ 74.9322, 84.5327,  
68.3702

■ 61.4528, 78.3557,  
32.8642

■ 80.5049, 87.0476,  
84.8009

■ 57.9592, 76.7201,  
25.2265

■ 86.6533, 89.8051,  
103.7068

■ 54.9199, 75.2778,  
19.4594

■ 90.0421, 91.4713,  
107.5177

■ 52.3025, 74.0156,  
15.4006

■ 91.0438, 91.9877,  
107.5646

■ 50.0695, 72.9184,  
12.8598

■ 48.1741, 71.9672,  
11.5989

■ 47.5560, 71.6540,  
11.3241

# Harmonies

## Analogous

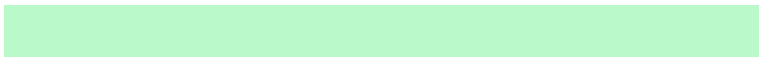
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9538, 82.2482, 49.6180



69.9122, 82.2482, 54.3102



64.4418, 82.2482, 68.0888

# Triad

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



69.9122, 82.2482, 54.3102



70.2679, 82.2482, 138.3116



96.1618, 82.2482, 88.9233

# Complementary

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



69.9122, 82.2482, 54.3102



55.2394, 50.2596, 90.7986

# Split Complementary

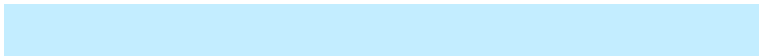
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7313, 82.2482, 115.1146



69.9122, 82.2482, 54.3102



78.3955, 82.2482, 146.6437

# Square

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



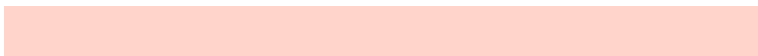
69.9122, 82.2482, 54.3102



64.6361, 82.2482, 116.4145



87.0633, 82.2482, 137.4682



93.4823, 82.2482, 67.1803

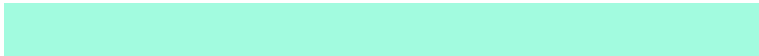


# Rectangle

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



69.9122, 82.2482, 54.3102



62.7695, 82.2482, 82.0610



87.0633, 82.2482, 137.4682



95.9137, 82.2482, 97.4904

# Sweetspot

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



69.9143, 82.2518, 54.3120



89.6306, 97.5657, 92.4026



64.6685, 62.1176, 50.7022



18.9765, 20.7893, 19.1569



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

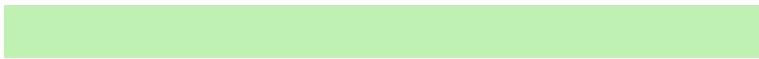
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9143, 82.2518, 54.3120



75.8128, 91.2922, 53.3638



61.2263, 77.7730, 53.9054



16.6143, 18.1969, 16.7864



25.6932, 38.5669, 6.0900



2.2394, 3.2609, 0.5114



# Inverse Universe

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



55.2394, 50.2596, 90.7986



56.5984, 49.3899, 101.1579



64.3273, 54.9446, 91.2239



15.3621, 15.4684, 19.8976



10.3193, 4.3252, 45.4188

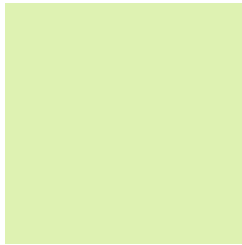


0.9571, 0.4107, 3.7830



# Previews

## White Background



This preview shows how the XYZ color 69.9122, 82.2482, 54.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

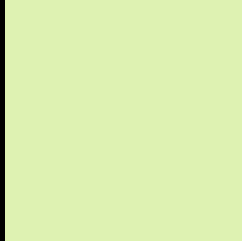
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9122, 82.2482, 54.3102 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

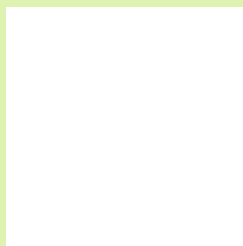
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.9122, 82.2482, 54.3102**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.9122, 82.2482, 54.3102.



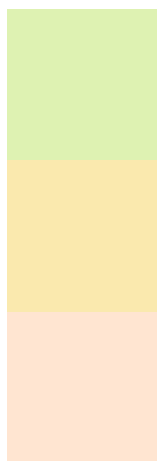
This preview shows how white text looks on a background with the XYZ color 69.9122, 82.2482,



# 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

69.9122, 82.2482, 54.3102

### Protanopia

76.2032, 81.6578, 51.7896

### Deuteranopia

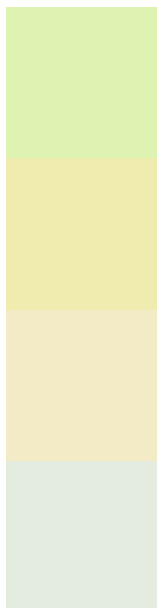
80.7679, 81.9021, 71.8734



## Tritanopia

79.5479, 81.8341, 102.8697

# Trichromacy



## Original Color

69.9122, 82.2482, 54.3102

## Protanomaly

73.6685, 81.6113, 52.4273

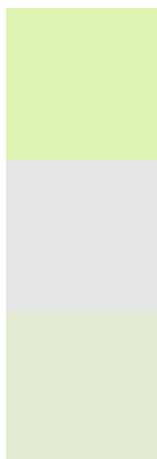
## Deuteranomaly

76.5780, 81.9775, 65.2132

## Tritanomaly

75.4449, 81.8667, 82.3465

# Monochromacy



## Original Color

69.9122, 82.2482, 54.3102

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

72.4197, 79.6675, 72.5332

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9122, 82.2482, 54.3102 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(222, 242, 178)` looks like.

```
.text, #text, p{  
    color:rgb(222, 242, 178)  
}
```

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(222, 242, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9122, 82.2482, 54.3102 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(222, 242, 178) }
```



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

```
.border{ border-color:rgb(222, 242, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 242, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 178);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9122, 82.2482, 54.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 242, 178) }
```

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

```
.background{ background-color: rgb(222,  
242, 178) }
```

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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