

# Converting Colors

XYZ(72.2057, 88.3444, 38.5237)

Have a look what the booklet for  
XYZ(72.2057, 88.3444, 38.5237)  
contains.

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# Color

**XYZ(72.2512, 88.3669,  
38.4478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FC8D
RGB	230, 252, 141
RGB Percent	90%, 99%, 55%
CMY	0.0980, 0.0117, 0.4470
CMYK	0.09, 0.00, 0.44, 0.01
HSL	72°, 95%, 77%
HSV	72°, 44%, 99%
XYZ	72.2512, 88.3669, 38.4478
YIQ	232.7680, 22.5190, -39.1850

# Conversions

## Conversions Part 2

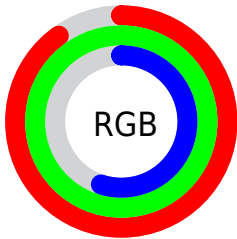
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 252, 163
Decimal	15137933
CIELab	95.32, -23.48, 50.56
CIELCh	95, 55.748, 114.914
Yxy	88.3669, 0.3630, 0.4439
Android (android.graphics.Color)	4293328013 (0xFFE6FC8D)
YUV	232.7680, -45.2416, -2.4275
Hunter-Lab	94.0037, -27.3114, 41.5528

# Details

The XYZ color **72.2512, 88.3669, 38.4478** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.2033, 33.8669, 96.4133**, and the grayscale version is **77.5972, 81.6383, 88.9041**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **38.5101, 48.6190, 16.5872** is the 20% darker color. If you saturate the color by 10%, you get **69.0058, 86.8892, 29.5972**, and if you desaturate by 10%, it is **75.9736, 90.0468, 49.5510**.

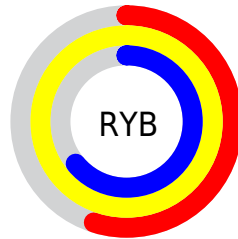
# Distribution



Red (90%)

Green (99%)

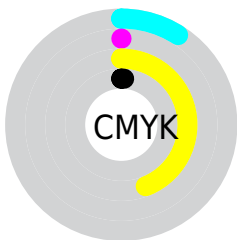
Blue (55%)



Red (55%)

Yellow (99%)

Blue (64%)

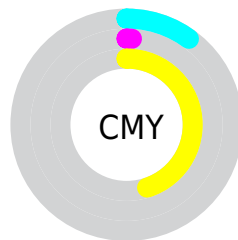


Cyan (9%)

Magenta (0%)

Yellow (44%)

Black (1%)



Cyan (10%)

Magenta (1%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2512, 88.3669, 38.4478 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 72.2512, 88.3669, 38.4478 by changing the saturation by 10% instead.




 72.2512, 88.3669,  
38.4478


 72.2512, 88.3669,  
38.4478


457.5595,  
522.7040, 354.8926

 53.6501, 66.6270,  
26.0259

 121.4225,  
145.0679, 74.0050

 38.5515, 48.7815,  
16.6171


 152.7234,  
180.7977, 97.9774

 26.5902, 34.4462,  
9.8028


188.9882,  
221.9595, 126.6370

 17.4007, 23.2366,  
5.1645

230.5824,  
268.9379, 160.4024

 10.6176, 14.7683,  
2.2837

277.8713,  
322.1171, 199.6921

 5.8757, 8.6569,  
0.7221

331.2202,

 2.8096, 4.5181,

381.8816, 244.9247

0.0000

390.9945,  
448.6158, 296.5187

■ 1.0539, 1.9674,  
0.0000

■ 0.0000, 0.5884,  
0.0000

■ 72.2512, 88.3669,  
38.4478

■ 72.2512, 88.3669,  
38.4478

■ 69.0058, 86.8892,  
29.5972

■ 75.9736, 90.0468,  
49.5510

■ 66.2011, 85.5900,  
22.8391

■ 80.1933, 91.9280,  
63.0411

■ 63.8059, 84.4599,  
18.0017

■ 84.9374, 94.0243,  
79.0484

■ 61.7815, 83.4832,  
14.8831

■ 90.2288, 96.3449,  
97.6923

■ 60.0808, 82.6411,  
13.2367

■ 94.0950, 98.1010,  
108.5838

■ 59.1818, 82.1877,  
12.7446

■ 94.1024, 98.1047,  
108.5841

# Harmonies

## Analogous

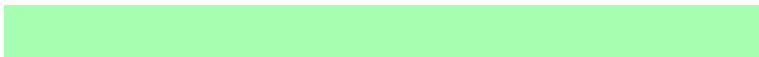
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6124, 88.3669, 34.5348



72.2512, 88.3669, 38.4478



62.2393, 88.3669, 55.6209

# Triad

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



72.2512, 88.3669, 38.4478



68.2608, 88.3669, 182.4252



116.6559, 88.3669, 103.8429

# Complementary

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



72.2512, 88.3669, 38.4478



42.2033, 33.8669, 96.4133

# 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.



110.2962, 88.3669, 152.9059



72.2512, 88.3669, 38.4478



81.4212, 88.3669, 206.2244

# Square

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



72.2512, 88.3669, 38.4478



60.1380, 88.3669, 136.0344



96.9362, 88.3669, 194.0506

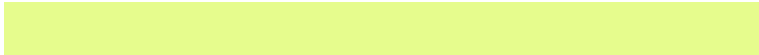


113.4381, 88.3669, 65.0423



# Rectangle

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



72.2512, 88.3669, 38.4478



58.7755, 88.3669, 76.0023



96.9362, 88.3669, 194.0506



115.5469, 88.3669, 119.7304

# Sweetspot

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



72.2534, 88.3709, 38.4497



87.7880, 96.8207, 83.0632



57.7619, 48.2334, 31.4661



18.5469, 20.6165, 16.9394



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

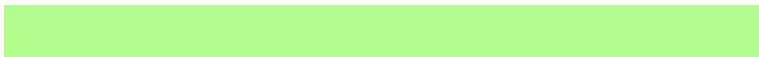
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2534, 88.3709, 38.4497



71.2015, 89.4002, 31.2249



57.5597, 80.7960, 37.7620



18.3705, 20.0068, 18.3559



30.9495, 42.8733, 6.6442



2.9493, 4.0135, 0.6192



# Inverse Universe

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



42.2033, 33.8669, 96.4133



36.7173, 26.7870, 97.8429



55.6693, 40.8089, 97.0435



16.6043, 16.8086, 21.7545



9.9305, 4.0621, 48.2342

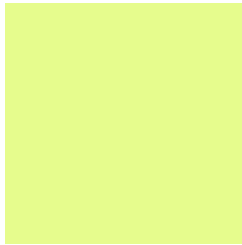


1.0012, 0.4182, 4.4711



# Previews

## White Background



This preview shows how the XYZ color 72.2512, 88.3669, 38.4478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

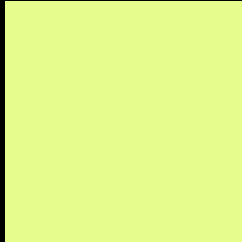
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2512, 88.3669, 38.4478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

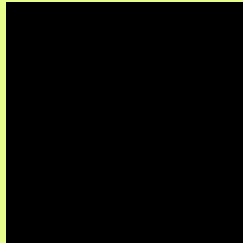
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

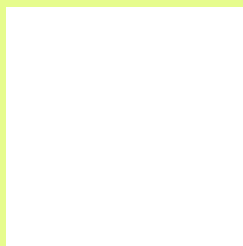
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2512, 88.3669, 38.4478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2512, 88.3669, 38.4478.



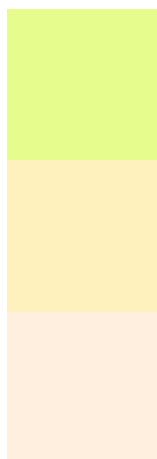
This preview shows how white text looks on a background with the XYZ color 72.2512, 88.3669,



# 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

72.2512, 88.3669, 38.4478

### Protanopia

81.9896, 87.8883, 61.3580

### Deuteranopia

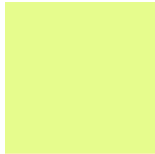
85.2913, 88.2669, 81.6491



## Tritanopia

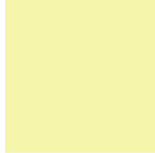
86.2247, 88.1861, 107.0848

# Trichromacy



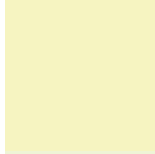
## Original Color

72.2512, 88.3669, 38.4478



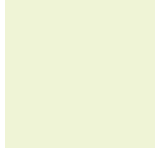
## Protanomaly

78.1048, 87.8762, 51.8750



## Deuteranomaly

79.9824, 88.1445, 63.2501



## Tritanomaly

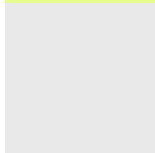
80.0849, 87.9071, 76.3652

# Monochromacy



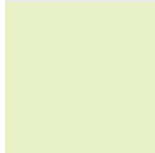
## Original Color

72.2512, 88.3669, 38.4478



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.8641, 83.6461, 66.8431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2512, 88.3669, 38.4478 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, 252, 141)` looks like.

```
.text, #text, p{  
    color:rgb(230, 252, 141)  
}
```

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, 252, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 252, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2512, 88.3669, 38.4478 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, 252, 141) }
```



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

```
.border{ border-color:rgb(230, 252, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 252, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 252, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 252, 141);  
box-shadow:4px 4px 4px 4px rgb(230, 252,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2512, 88.3669, 38.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 252, 141) }
```

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

```
.background{ background-color: rgb(230,  
252, 141) }
```

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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