

# Converting Colors

XYZ(72.1425, 82.9670, 41.9948)

Have a look what the booklet for  
XYZ(72.1425, 82.9670, 41.9948)  
contains.

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# **Color**

**XYZ(72.0875, 82.7643,  
41.8815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF098
RGB	238, 240, 152
RGB Percent	93%, 94%, 60%
CMY	0.0667, 0.0588, 0.4039
CMYK	0.01, 0.00, 0.37, 0.06
HSL	61°, 75%, 77%
HSV	61°, 37%, 94%
XYZ	72.0875, 82.7643, 41.8815
YIQ	229.3700, 27.0560, -27.7920

# Conversions

## Conversions Part 2

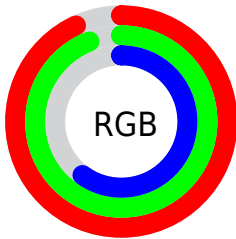
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 240, 154
Decimal	15659160
CIELab	92.91, -13.47, 42.33
CIELCh	93, 44.417, 107.649
Yxy	82.7643, 0.3664, 0.4207
Android (android.graphics.Color)	4293849240 (0xFFEEF098)
YUV	229.3700, -38.1434, 7.5685
Hunter-Lab	90.9749, -17.7646, 36.3875

# Details

The XYZ color **72.0875, 82.7643, 41.8815** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.2859, 35.6199, 87.1949**, and the grayscale version is **75.0088, 78.9151, 85.9386**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **38.4968, 45.0248, 18.7183** is the 20% darker color. If you saturate the color by 10%, you get **70.1348, 81.9650, 32.5471**, and if you desaturate by 10%, it is **74.4426, 83.7305, 53.3141**.

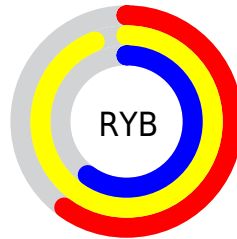
# Distribution



Red (93%)

Green (94%)

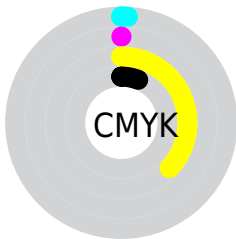
Blue (60%)



Red (60%)

Yellow (94%)

Blue (60%)

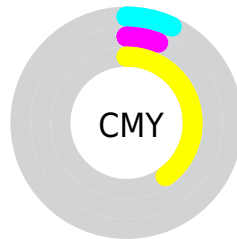


Cyan (1%)

Magenta (0%)

Yellow (37%)

Black (6%)



Cyan (7%)

Magenta (6%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0875, 82.7643, 41.8815 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 72.0875, 82.7643, 41.8815 by changing the saturation by 10% instead.





 72.0875, 82.7643,  
41.8815


 72.0875, 82.7643,  
41.8815


456.9990,  
504.2007, 369.7766

 53.5159, 61.9957,  
28.6836


 121.1911,  
137.2453, 79.2884

 38.4439, 45.0292,  
18.5981


 152.4537,  
171.7265, 104.3345

 26.5062, 31.4805,  
11.2064


188.6774,  
211.5474, 134.1671

 17.3373, 20.9650,  
6.0899

230.2275,  
257.0923, 169.2048

 10.5721, 13.0984,  
2.8302

277.4693,  
308.7457, 209.8660

 5.8450, 7.4963,  
1.0086

330.7683,

 2.7908, 3.7744,

366.8920, 256.5694

0.0000

390.4897,  
431.9155, 309.7334

■ 1.0441, 1.5482,  
0.0000

■ 0.0000, 0.3223,  
0.0000

■ 72.0875, 82.7643,  
41.8815

■ 72.0875, 82.7643,  
41.8815

■ 70.1348, 81.9650,  
32.5471

■ 74.4426, 83.7305,  
53.3141

■ 68.5543, 81.3116,  
25.1786

■ 77.2161, 84.8613,  
66.9561

■ 67.3212, 80.7974,  
19.6368

■ 80.4306, 86.1684,  
82.9173

■ 66.4053, 80.4100,  
15.7622

■ 84.1052, 87.6597,  
101.2983

■ 65.7710, 80.1353,  
13.3676

■ 85.3973, 88.1981,  
107.1307

■ 65.3735, 79.9555,  
12.2171

■ 85.5841, 88.2944,  
107.1395

■ 65.2696, 79.9070,  
11.9835

■ 85.7714, 88.3909,  
107.1483

■ 85.9593, 88.4878,  
107.1571

■ 86.1478, 88.5850,  
107.1659

# Harmonies

## Analogous

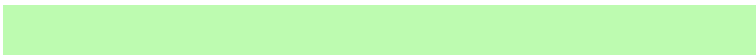
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5385, 82.7643, 40.9703



72.0875, 82.7643, 41.8815



63.2901, 82.7643, 53.5361

# Triad

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



72.0875, 82.7643, 41.8815



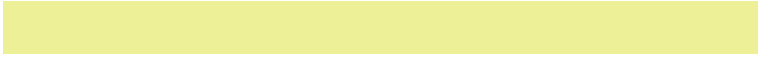
64.5610, 82.7643, 146.1194



102.5554, 82.7643, 104.4986

# Complementary

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



72.0875, 82.7643, 41.8815



40.2859, 35.6199, 87.1949

# 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.



96.3476, 82.7643, 140.4262



72.0875, 82.7643, 41.8815



73.9848, 82.7643, 168.1311

# Square

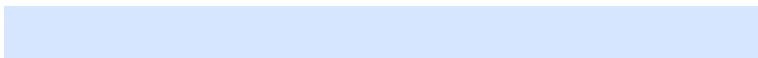
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0875, 82.7643, 41.8815



59.2478, 82.7643, 110.9282



85.6309, 82.7643, 165.8232



101.9192, 82.7643, 72.0852

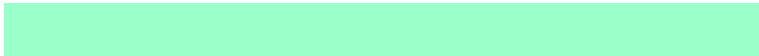


# Rectangle

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



72.0875, 82.7643, 41.8815



59.7679, 82.7643, 67.9198



85.6309, 82.7643, 165.8232



101.1764, 82.7643, 116.6877

# Sweetspot

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



72.0896, 82.7680, 41.8832



90.6234, 98.2022, 86.8154



53.0732, 43.7299, 35.3504



19.2898, 20.9757, 18.0493



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

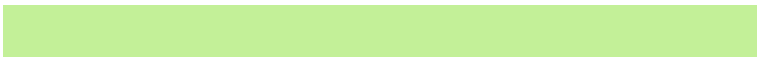
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0896, 82.7680, 41.8832



81.0081, 94.2753, 39.8346



59.2160, 76.1315, 41.2808



17.0852, 18.4396, 16.8084



35.7440, 43.7482, 6.5603



2.9848, 3.6452, 0.5463



# Inverse Universe

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



40.2859, 35.6199, 87.1949



39.5826, 32.8572, 98.8636



50.1073, 40.6830, 87.6545



14.9306, 15.2459, 19.8774



8.6622, 3.4709, 45.3413

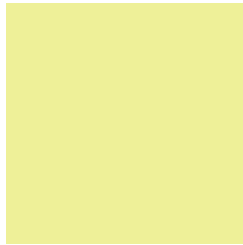


0.7323, 0.2948, 3.7725



# Previews

## White Background



This preview shows how the XYZ color 72.0875, 82.7643, 41.8815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

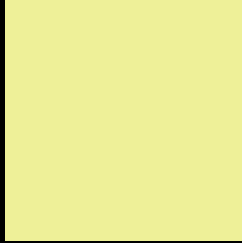
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0875, 82.7643, 41.8815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

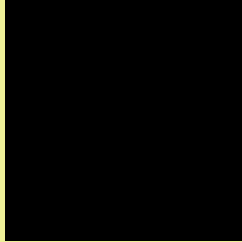
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.0875, 82.7643, 41.8815**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0875, 82.7643, 41.8815.



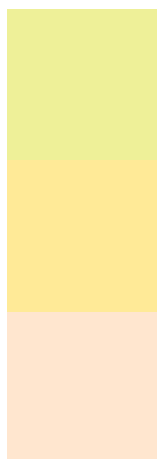
This preview shows how white text looks on a background with the XYZ color 72.0875, 82.7643,



# 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

72.0875, 82.7643, 41.8815

### Protanopia

76.2487, 82.3400, 41.1526

### Deuteranopia

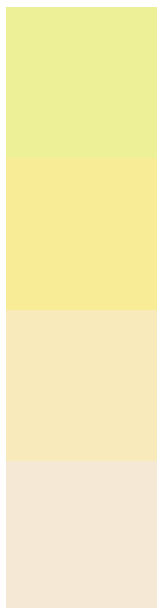
80.7993, 82.3586, 70.6697



## Tritanopia

83.4449, 82.2804, 98.6725

# Trichromacy



## Original Color

72.0875, 82.7643, 41.8815

## Protanomaly

74.6483, 82.3650, 41.2418

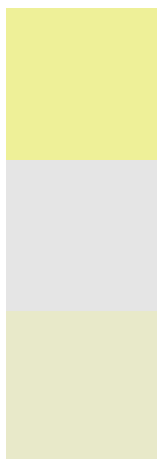
## Deuteranomaly

77.4594, 82.5732, 58.8694

## Tritanomaly

78.3965, 81.8792, 73.9597

# Monochromacy



## Original Color

72.0875, 82.7643, 41.8815

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

72.9602, 79.6507, 66.7870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0875, 82.7643, 41.8815 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(238, 240, 152)` looks like.

```
.text, #text, p{  
    color:rgb(238, 240, 152)  
}
```

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(238, 240, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 240, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0875, 82.7643, 41.8815 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(238, 240, 152) }
```



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

```
.border{ border-color:rgb(238, 240, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 240, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 240, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 240, 152);  
box-shadow:4px 4px 4px 4px rgb(238, 240,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0875, 82.7643, 41.8815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 240, 152) }
```

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

```
.background{ background-color: rgb(238,  
240, 152) }
```

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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