

# Converting Colors

XYZ(72.7342, 81.9388, 35.2748)

Have a look what the booklet for  
XYZ(72.7342, 81.9388, 35.2748)  
contains.

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# Color

**XYZ(72.7342, 81.9388,  
35.2748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6ED88
RGB	246, 237, 136
RGB Percent	96%, 93%, 53%
CMY	0.0353, 0.0706, 0.4667
CMYK	0.00, 0.04, 0.45, 0.04
HSL	55°, 86%, 75%
HSV	55°, 45%, 96%
XYZ	72.7342, 81.9388, 35.2748
YIQ	228.1770, 37.7850, -29.5030

# Conversions

## Conversions Part 2

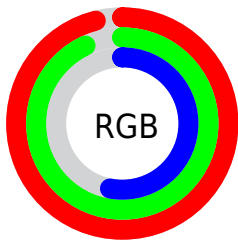
Format	Color
<a href="#">RYB</a>	<a href="#">146, 246, 136</a>
Decimal	<a href="#">16182664</a>
CIELab	<a href="#">92.55, -10.54, 49.79</a>
CIElCh	<a href="#">93, 50.894, 101.954</a>
Yxy	<a href="#">81.9388, 0.3829, 0.4314</a>
Android (android.graphics.Color)	<a href="#">4294372744 (0xFFF6ED88)</a>
YUV	<a href="#">228.1770, -45.4433, 15.6308</a>
Hunter-Lab	<a href="#">90.5201, -14.9827, 40.2593</a>

# Details

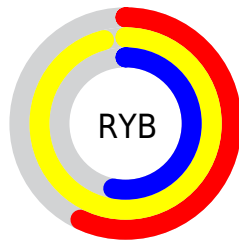
The XYZ color **72.7342, 81.9388, 35.2748** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.9132, 32.1380, 91.4464**, and the grayscale version is **74.1771, 78.0401, 84.9856**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **38.8242, 44.3636, 14.7004** is the 20% darker color. If you saturate the color by 10%, you get **70.6044, 80.1633, 26.9073**, and if you desaturate by 10%, it is **75.2757, 83.8954, 45.7608**.

# Distribution



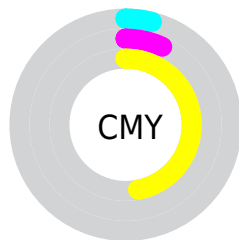
- Red (96%)
- Green (93%)
- Blue (53%)



- Red (57%)
- Yellow (96%)
- Blue (53%)



- Cyan (0%)
- Magenta (4%)
- Yellow (45%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7342, 81.9388, 35.2748 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 72.7342, 81.9388, 35.2748 by changing the saturation by 10% instead.





 72.7342, 81.9388,  
35.2748


 72.7342, 81.9388,  
35.2748


459.2111,  
501.4430, 340.7207


 54.0463, 61.3151,  
23.5894

 122.1050,  
136.0882, 69.0677

 38.8695, 44.4795,  
14.8199


 153.5185,  
170.3826, 92.0122

 26.8385, 31.0477,  
8.5479

 189.9046,  
210.0028, 119.5468

 17.5879, 20.6351,  
4.3547

231.6286,  
255.3330, 152.0901

 10.7524, 12.8576,  
1.8219

279.0559,  
306.7578, 190.0606

 5.9667, 7.3305,  
0.4423

332.5519,

 2.8653, 3.6697,

364.6614, 233.8768

0.0000

392.4818,  
429.4284, 283.9573

■ 1.0829, 1.4905,  
0.0000

■ 0.0108, 0.2821,  
0.0000

■ 72.7342, 81.9388,  
35.2748

■ 72.7342, 81.9388,  
35.2748

■ 70.6044, 80.1633,  
26.9073

■ 75.2757, 83.8954,  
45.7608

■ 68.8526, 78.5464,  
20.5067


■ 78.2483, 86.0320,  
58.4930


■ 67.4493, 77.0793,  
15.9095


■ 81.6770, 88.3615,  
73.5947

■ 66.3580, 75.7473,  
12.9236

■ 85.5833, 90.8926,  
91.1789


 65.5340, 74.5326,  
11.3131


 89.3361, 93.3729,  
107.9220

 65.1716, 73.9239,  
10.8338

 89.9547, 94.6102,  
108.1282

 90.5800, 95.8607,  
108.3366

 91.2119, 97.1246,  
108.5473

 91.8160, 98.3328,  
108.7487

# Harmonies

## Analogous

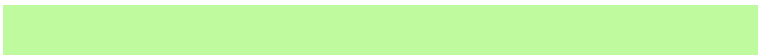
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0216, 81.9388, 36.3644



72.7342, 81.9388, 35.2748



62.0957, 81.9388, 45.2973

# Triad

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



72.7342, 81.9388, 35.2748



60.4678, 81.9388, 147.2585



104.6299, 81.9388, 113.7179

# Complementary

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



72.7342, 81.9388, 35.2748



36.9132, 32.1380, 91.4464

# 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.



96.1361, 81.9388, 155.0312



72.7342, 81.9388, 35.2748



70.2697, 81.9388, 177.8575

# Square

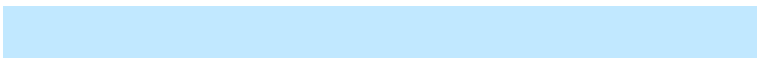
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7342, 81.9388, 35.2748



55.5691, 81.9388, 105.1578



83.2637, 81.9388, 181.0478



105.4834, 81.9388, 74.9752

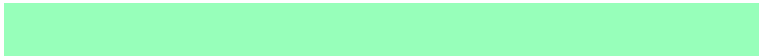


# Rectangle

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



72.7342, 81.9388, 35.2748



57.5348, 81.9388, 59.1843



83.2637, 81.9388, 181.0478



102.5325, 81.9388, 128.0019

# Sweetspot

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



72.7362, 81.9426, 35.2765



89.3061, 96.3287, 82.8883



51.9345, 39.2515, 31.6956



18.9256, 20.4930, 16.8956



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

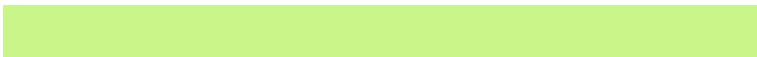
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7362, 81.9426, 35.2765



76.7415, 87.0973, 29.6890



61.2641, 79.9916, 35.5046



17.7920, 19.0681, 17.5403



34.8359, 39.5574, 5.7993



3.0954, 3.5440, 0.5209



# Inverse Universe

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



36.9132, 32.1380, 91.4464



33.2187, 26.6072, 97.9926



44.6915, 34.1879, 91.4321



15.6900, 16.1443, 20.8318



9.0528, 3.8994, 46.8136

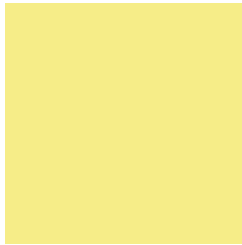


0.8324, 0.4162, 4.1267



# Previews

## White Background



This preview shows how the XYZ color 72.7342, 81.9388, 35.2748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

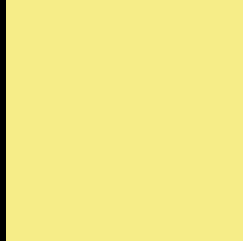
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7342, 81.9388, 35.2748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

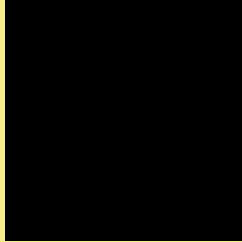
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.7342, 81.9388, 35.2748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7342, 81.9388, 35.2748.



This preview shows how white text looks on a background with the XYZ color 72.7342, 81.9388,

35.2748.

# 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

72.7342, 81.9388, 35.2748

### Protanopia

75.5453, 82.0586, 37.4484

### Deuteranopia

79.9200, 81.5629, 67.4081



## Tritanopia

84.3135, 82.0036, 94.6036

# Trichromacy

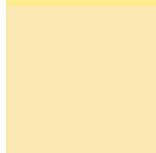


## Original Color

72.7342, 81.9388, 35.2748

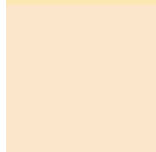
## Protanomaly

74.5868, 82.0056, 36.7085



## Deuteranomaly

77.0374, 81.6230, 53.8140



## Tritanomaly

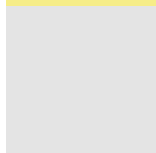
79.2212, 81.6009, 68.0751

# Monochromacy



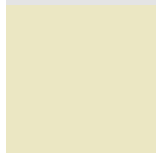
## Original Color

72.7342, 81.9388, 35.2748



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

72.6872, 78.7541, 62.9998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7342, 81.9388, 35.2748 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(246, 237, 136)` looks like.

```
.text, #text, p{  
    color:rgb(246, 237, 136)  
}
```

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(246, 237, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 237, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7342, 81.9388, 35.2748 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(246, 237, 136) }
```



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

```
.border{ border-color:rgb(246, 237, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 237, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 237, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 237, 136);  
box-shadow:4px 4px 4px 4px rgb(246, 237,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7342, 81.9388, 35.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 237, 136) }
```

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

```
.background{ background-color: rgb(246,  
237, 136) }
```

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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