

Converting Colors

XYZ(72.7322, 81.9365, 35.2713)

Have a look what the booklet for
XYZ(72.7322, 81.9365, 35.2713)
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

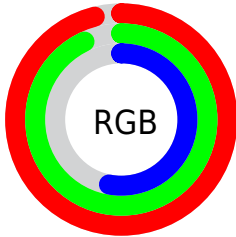
Format	Color
R _Y B	146, 246, 136
Decimal	16182664
CIE Lab	92.55, -10.54, 49.79
CIE LCh	93, 50.894, 101.954
Yxy	81.9388, 0.3829, 0.4314
Android (android.graphics.Color)	4294372744 (0xFFF6ED88)
YUV	228.1770, -45.4433, 15.6308
Hunter-Lab	90.5201, -14.9827, 40.2593

Details

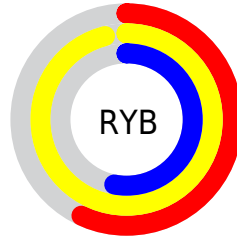
The XYZ color **72.7342, 81.9388, 35.2748** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.9132, 32.1380, 91.4464**, and the grayscale version is **74.1771, 78.0401, 84.9856**.

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**.

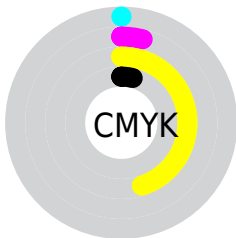
Distribution



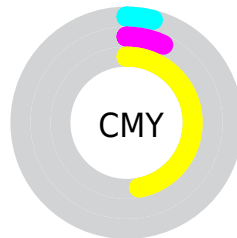
- Red (96%)
- Green (93%)
- Blue (53%)



- 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

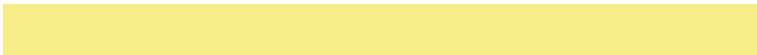
Harmonies

Analogous

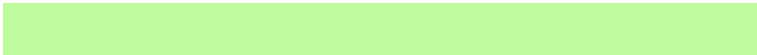
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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

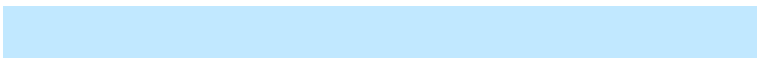
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7342, 81.9388, 35.2748



55.5691, 81.9388, 105.1578



83.2637, 81.9388, 181.0478



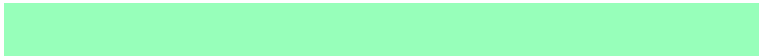
105.4834, 81.9388, 74.9752

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

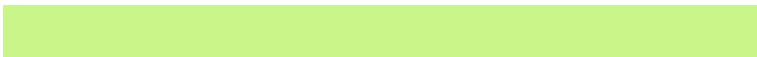
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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



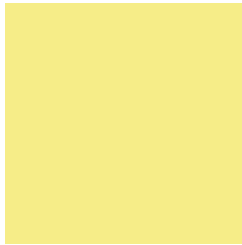
9.0528, 3.8994, 46.8136



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

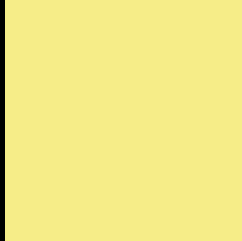
Large Text (above 18pt) WCAG AA × Fail

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

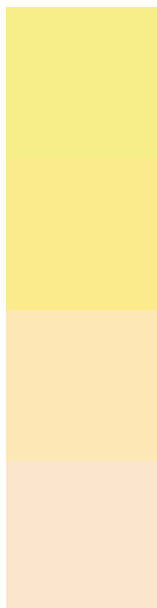
79.9200, 81.5629, 67.4081



Tritanopia

84.3135, 82.0036, 94.6036

Trichromacy



Original Color

72.7342, 81.9388, 35.2748

Protanomaly

74.5868, 82.0056, 36.7085

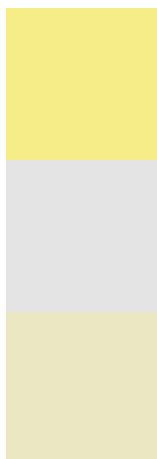
Deuteranomaly

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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