

Converting Colors

XYZ(71.4812, 82.9600, 40.2409)

Have a look what the booklet for
XYZ(71.4812, 82.9600, 40.2409)
contains.

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Color

**XYZ(71.3927, 82.8816,
40.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF194
RGB	236, 241, 148
RGB Percent	93%, 95%, 58%
CMY	0.0745, 0.0549, 0.4196
CMYK	0.02, 0.00, 0.39, 0.05
HSL	63°, 77%, 76%
HSV	63°, 39%, 95%
XYZ	71.3927, 82.8816, 40.2519
YIQ	228.9030, 26.8730, -29.9830

Conversions

Conversions Part 2

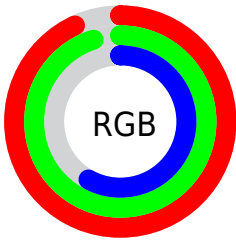
Format	Color
R_{YB}	148, 241, 153
Decimal	15528340
CIE _{Lab}	92.96, -15.16, 44.33
CIE _{LCh}	93, 46.847, 108.879
Yxy	82.8816, 0.3670, 0.4261
Android (android.graphics.Color)	4293718420 (0xFFE _{CF} 194)
YUV	228.9030, -39.8852, 6.2241
Hunter-Lab	91.0393, -19.3398, 37.5132

Details

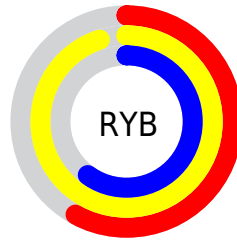
The XYZ color **71.3927, 82.8816, 40.2519** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.6069, 34.3050, 87.7580**, and the grayscale version is **74.6769, 78.5659, 85.5583**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **38.0507, 45.1262, 17.7711** is the 20% darker color. If you saturate the color by 10%, you get **69.2519, 81.9787, 31.2098**, and if you desaturate by 10%, it is **73.9379, 83.9525, 51.3893**.

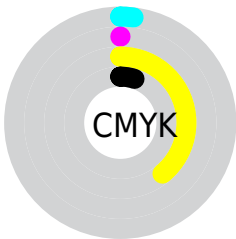
Distribution



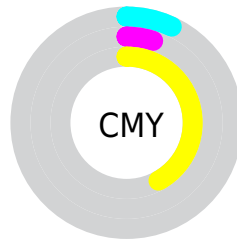
- Red (93%)
- Green (95%)
- Blue (58%)



- Red (58%)
- Yellow (95%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (39%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3927, 82.8816, 40.2519 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 71.3927, 82.8816, 40.2519 by changing the saturation by 10% instead.

71.3927, 82.8816,
40.2519

71.3927, 82.8816,
40.2519

454.6155,
504.5918, 362.7678

52.9464, 62.0925,
27.4197

120.2082,
137.4096, 76.7882

37.9873, 45.1074,
17.6535

151.3081,
171.9173, 101.3295

26.1500, 31.5421,
10.5346

187.3566,
211.7666, 130.6108

17.0692, 21.0120,
5.6446

228.7191,
257.3420, 165.0507

10.3794, 13.1327,
2.5650

275.7609,
309.0278, 205.0679

5.7154, 7.5200,
0.8743

328.8473,

2.7118, 3.7894,

367.2085, 251.0807

0.0000

388.3437,
432.2684, 303.5078

■ 1.0033, 1.5565,
0.0000

■ 0.0000, 0.3280,
0.0000

■ 71.3927, 82.8816,
40.2519

■ 71.3927, 82.8816,
40.2519

■ 69.2519, 81.9787,
31.2098

■ 73.9379, 83.9525,
51.3893

■ 67.4846, 81.2225,
24.1269


■ 76.9041, 85.1893,
64.7362


■ 66.0651, 80.6059,
18.8595


■ 80.3143, 86.6041,
80.4050


■ 64.9620, 80.1161,
15.2419

■ 84.1881, 88.2046,
98.4988


 64.1381, 79.7384,
13.0781


 86.2923, 89.0977,
107.2572


 63.5394, 79.4511,
12.0843

 86.7403, 89.3287,
107.2782

 63.4627, 79.4137,
11.9835

 87.1916, 89.5613,
107.2993

 87.6460, 89.7956,
107.3206

 88.1036, 90.0315,
107.3420

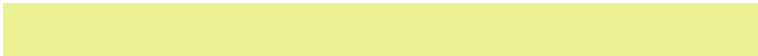
Harmonies

Analogous

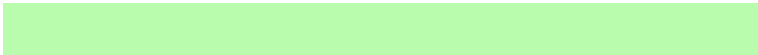
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4114, 82.8816, 38.8876



71.3927, 82.8816, 40.2519



62.3196, 82.8816, 52.7285

Triad

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



71.3927, 82.8816, 40.2519



64.2685, 82.8816, 151.2524



104.2441, 82.8816, 103.9023

Complementary

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



71.3927, 82.8816, 40.2519



39.6069, 34.3050, 87.7580

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.



97.9019, 82.8816, 142.3218



71.3927, 82.8816, 40.2519



74.3165, 82.8816, 174.0167

Square

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



71.3927, 82.8816, 40.2519



58.5107, 82.8816, 113.8978



86.6526, 82.8816, 170.3802



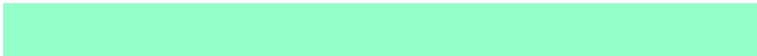
103.2524, 82.8816, 70.1151

Rectangle

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



71.3927, 82.8816, 40.2519



58.7699, 82.8816, 68.0374



86.6526, 82.8816, 170.3802



102.8749, 82.8816, 116.8224

Sweetspot

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



71.3947, 82.8854, 40.2536



89.9055, 97.8725, 84.9585



52.9577, 43.5090, 33.6250



19.1335, 20.9031, 17.6784



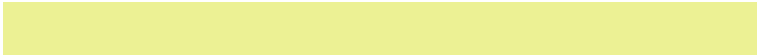
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

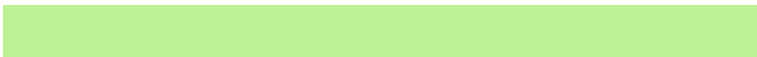
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3947, 82.8854, 40.2536



79.2809, 93.4284, 37.7860



58.0015, 75.9809, 39.6268



17.0339, 18.4132, 16.8060



34.4502, 43.0813, 6.4998



2.8914, 3.5971, 0.5419

Inverse Universe

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



39.6069, 34.3050, 87.7580



38.5995, 31.2415, 98.6035



50.0627, 39.6952, 88.2473



14.9760, 15.2693, 19.8796



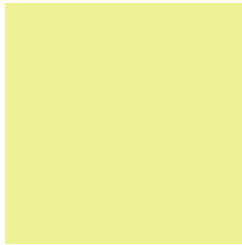
8.7336, 3.5077, 45.3446



0.7541, 0.3060, 3.7735

Previews

White Background



This preview shows how the XYZ color 71.3927, 82.8816, 40.2519 looks on a white background.

Color Contrast Check

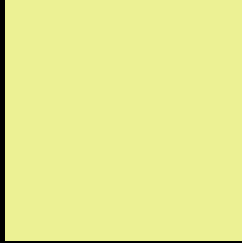
Large Text (above 18pt) WCAG AA × Fail

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 71.3927, 82.8816, 40.2519 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 71.3927, 82.8816, 40.2519

Background



This preview shows how black text looks on a background with the XYZ color 71.3927, 82.8816, 40.2519.

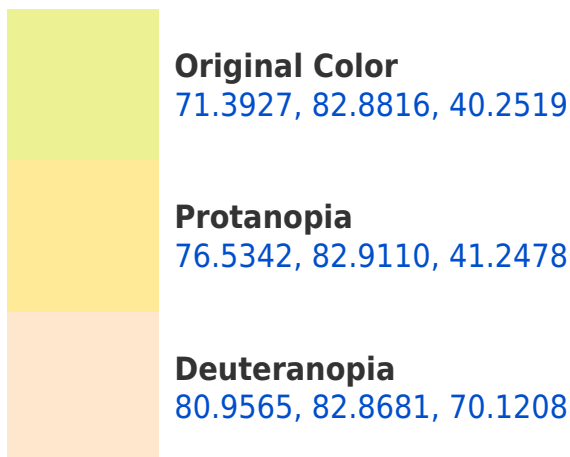


This preview shows how white text looks on a background with the XYZ color 71.3927, 82.8816,

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

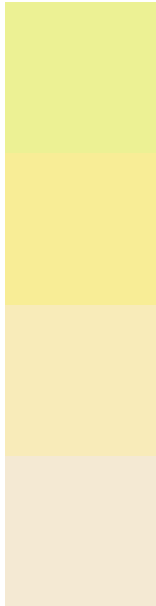




Tritanopia

83.5192, 82.7105, 99.5585

Trichromacy



Original Color

71.3927, 82.8816, 40.2519

Protanomaly

74.5006, 82.7268, 40.8954

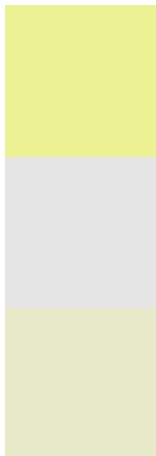
Deuteranomaly

77.1767, 82.8759, 57.8279

Tritanomaly

78.2050, 82.2141, 73.3751

Monochromacy



Original Color

71.3927, 82.8816, 40.2519

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.8430, 79.6038, 66.1694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3927, 82.8816, 40.2519 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(236, 241, 148)` looks like.

```
.text, #text, p{  
    color:rgb(236, 241, 148)  
}
```

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(236, 241, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 241, 148) }
```

Border

The CSS property to change the border of an element to XYZ 71.3927, 82.8816, 40.2519 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(236, 241, 148) }
```


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

```
.border{ border-color:rgb(236, 241, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 241, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 241, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 241, 148);  
box-shadow:4px 4px 4px 4px rgb(236, 241,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3927, 82.8816, 40.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 241, 148) }
```

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

```
.background{ background-color: rgb(236,  
241, 148) }
```

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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