

Converting Colors

XYZ(70.6910, 82.2897, 50.7374)

Have a look what the booklet for
XYZ(70.6910, 82.2897, 50.7374)
contains.

XYZ(70.8009, 82.3448, 50.6906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.8009, 82.3448,
50.6906)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F1AB
RGB	228, 241, 171
RGB Percent	89%, 95%, 67%
CMY	0.1059, 0.0549, 0.3294
CMYK	0.05, 0.00, 0.29, 0.05
HSL	71°, 71%, 81%
HSV	71°, 29%, 95%
XYZ	70.8009, 82.3448, 50.6906
YIQ	229.1330, 14.7220, -24.5260

Conversions

Conversions Part 2

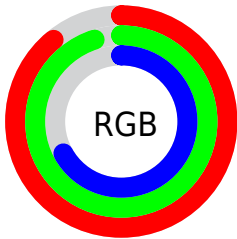
Format	Color
RYB	171, 241, 184
Decimal	15004075
CIELab	92.73, -15.40, 32.45
CIELCh	93, 35.922, 115.388
Yxy	82.3448, 0.3473, 0.4040
Android (android.graphics.Color)	4293194155 (0xFFE4F1AB)
YUV	229.1330, -28.6596, -0.9936
Hunter-Lab	90.7440, -19.5316, 30.4008

Details

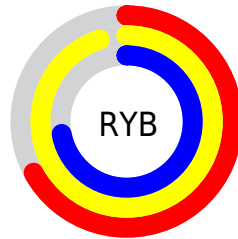
The XYZ color **70.8009, 82.3448, 50.6906** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.2104, 45.6692, 89.3923**, and the grayscale version is **74.7726, 78.6666, 85.6680**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **37.6322, 44.7766, 23.7989** is the 20% darker color. If you saturate the color by 10%, you get **67.3086, 80.7887, 39.6096**, and if you desaturate by 10%, it is **74.7531, 84.0947, 63.9828**.

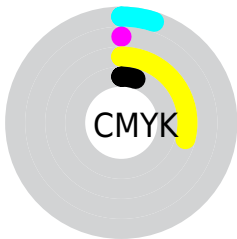
Distribution



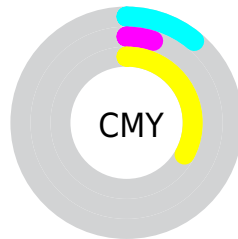
- Red (89%)
- Green (95%)
- Blue (67%)



- Red (67%)
- Yellow (95%)
- Blue (72%)



- Cyan (5%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8009, 82.3448, 50.6906 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 70.8009, 82.3448, 50.6906 by changing the saturation by 10% instead.

70.8009, 82.3448,
50.6906

70.8009, 82.3448,
50.6906

452.5798,
502.8003, 406.1727

52.4617, 61.6498,
35.5874

119.3702,
136.6574, 92.6041

37.5990, 44.7498,
23.8286

150.3311,
171.0438, 120.2515

25.8474, 31.2604,
14.9955

186.2298,
210.7628, 152.9173

16.8416, 20.7972,
8.6696

227.4319,
256.1988, 191.0202

10.2162, 12.9758,
4.4325

274.3025,
307.7361, 234.9786

5.6059, 7.4119,
1.8655

327.2072,

2.6453, 3.7210,

365.7592, 285.2111

0.4706

386.5111,
430.6525, 342.1363

■ 0.9691, 1.5188,
0.0000

■ 0.0000, 0.3019,
0.0000

■ 70.8009, 82.3448,
50.6906

■ 70.8009, 82.3448,
50.6906

■ 67.3086, 80.7887,
39.6096

■ 74.7531, 84.0947,
63.9828

■ 64.2469, 79.4063,
30.6145

■ 79.1802, 86.0361,
79.5917

■ 61.5926, 78.1910,
23.5756

■ 84.1042, 88.1805,
97.6227

■ 59.3176, 77.1316,
18.3466

■ 87.4816, 89.7106,
107.3129

■ 57.3900, 76.2152,
14.7606

■ 89.0704, 90.5297,
107.3872

■ 55.7720, 75.4268,
12.6201

■ 90.6974, 91.3684,
107.4633

■ 54.4063, 74.7434,
11.6254

■ 90.7470, 91.3940,
107.4657

■ 54.2823, 74.6809,
11.5539

Harmonies

Analogous

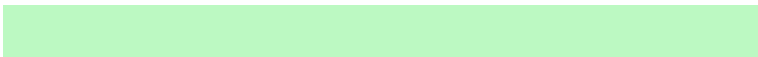
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7224, 82.3448, 47.4720



70.8009, 82.3448, 50.6906



64.3691, 82.3448, 63.4534

Triad

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



70.8009, 82.3448, 50.6906



68.4821, 82.3448, 139.1216



97.6106, 82.3448, 93.8683

Complementary

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



70.8009, 82.3448, 50.6906



50.2104, 45.6692, 89.3923

Split Complementary

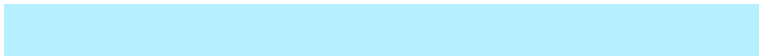
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0323, 82.3448, 122.2390



70.8009, 82.3448, 50.6906



76.8280, 82.3448, 151.4728

Square

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



70.8009, 82.3448, 50.6906



63.1070, 82.3448, 113.6233



86.2388, 82.3448, 144.7508



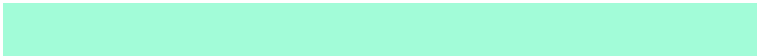
95.6773, 82.3448, 69.3268

Rectangle

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



70.8009, 82.3448, 50.6906



62.1109, 82.3448, 77.2750



86.2388, 82.3448, 144.7508



97.0049, 82.3448, 103.3011

Sweetspot

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



70.8030, 82.3485, 50.6924



90.0213, 97.8093, 90.5156



60.7350, 55.8552, 46.1093



19.1036, 20.8632, 18.7835



0.0000, 0.0000, 0.0000



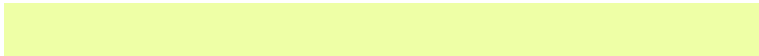
20.3446, 21.4041, 23.3091

Same Dimension

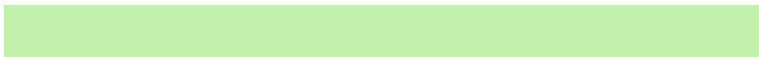
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8030, 82.3485, 50.6924



78.0208, 92.5138, 49.7011



60.8436, 77.2142, 50.2263



16.8182, 18.3020, 16.7959



29.5417, 40.5508, 6.2701



2.5313, 3.4114, 0.5251

Inverse Universe

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



50.2104, 45.6692, 89.3923



51.0105, 44.3870, 100.4868



59.6061, 50.5129, 89.8320



15.1712, 15.3700, 19.8887



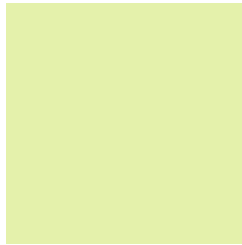
9.2731, 3.7859, 45.3699



0.8467, 0.3538, 3.7779

Previews

White Background



This preview shows how the XYZ color 70.8009, 82.3448, 50.6906 looks on a white background.

Color Contrast Check

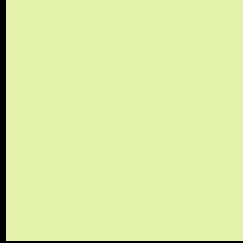
Large Text (above 18pt) WCAG AA × Fail

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 70.8009, 82.3448, 50.6906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

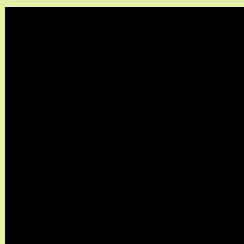
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

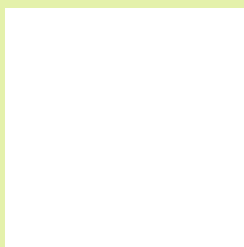
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8009, 82.3448, 50.6906

Background



This preview shows how black text looks on a background with the XYZ color 70.8009, 82.3448, 50.6906.

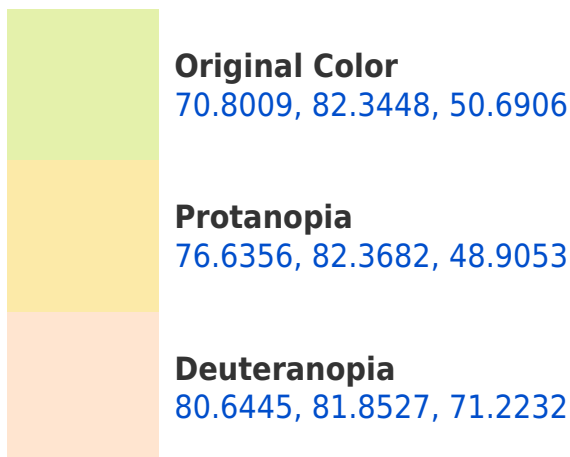


This preview shows how white text looks on a background with the XYZ color 70.8009, 82.3448,

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

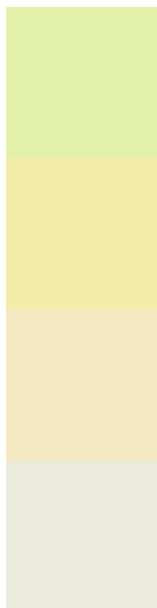




Tritanopia

80.9347, 82.1685, 101.2169

Trichromacy



Original Color

70.8009, 82.3448, 50.6906

Protanomaly

74.4078, 82.4876, 49.5361

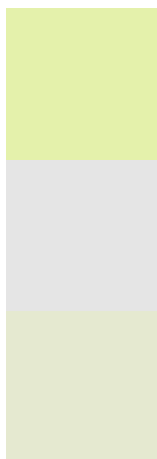
Deuteranomaly

76.6454, 81.6304, 63.3464

Tritanomaly

76.6912, 82.1295, 80.2171

Monochromacy



Original Color

70.8009, 82.3448, 50.6906

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.8372, 79.4899, 71.1787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8009, 82.3448, 50.6906 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(228, 241, 171)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 171)  
}
```

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(228, 241, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 171) }
```

Border

The CSS property to change the border of an element to XYZ 70.8009, 82.3448, 50.6906 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(228, 241, 171) }
```


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

```
.border{ border-color:rgb(228, 241, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 241, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 171);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8009, 82.3448, 50.6906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 171) }
```

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

```
.background{ background-color: rgb(228,  
241, 171) }
```

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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