

Converting Colors

XYZ(70.8392, 81.4982, 53.6903)

Have a look what the booklet for
XYZ(70.8392, 81.4982, 53.6903)
contains.

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Color

**XYZ(70.7972, 81.4013,
53.5756)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EFB1
RGB	228, 239, 177
RGB Percent	89%, 94%, 69%
CMY	0.1059, 0.0627, 0.3059
CMYK	0.05, 0.00, 0.26, 0.06
HSL	71°, 66%, 82%
HSV	71°, 26%, 94%
XYZ	70.7972, 81.4013, 53.5756
YIQ	228.6430, 13.3460, -21.6140

Conversions

Conversions Part 2

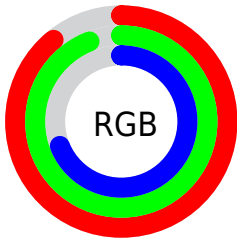
Format	Color
RYB	177, 239, 188
Decimal	15003569
CIELab	92.31, -13.61, 28.85
CIELCh	92, 31.898, 115.261
Yxy	81.4013, 0.3441, 0.3956
Android (android.graphics.Color)	4293193649 (0xFFE4EFB1)
YUV	228.6430, -25.4600, -0.5639
Hunter-Lab	90.2227, -17.8218, 27.9486

Details

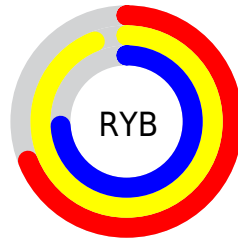
The XYZ color **70.7972, 81.4013, 53.5756** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.0444, 48.3698, 88.2592**, and the grayscale version is **74.3899, 78.2639, 85.2294**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **37.5848, 44.0929, 25.5986** is the 20% darker color. If you saturate the color by 10%, you get **67.2919, 79.8484, 42.0466**, and if you desaturate by 10%, it is **74.7570, 83.1454, 67.3070**.

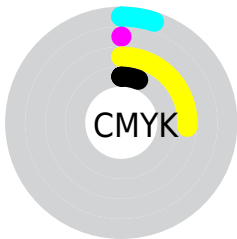
Distribution



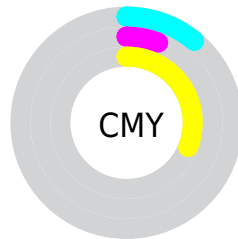
- Red (89%)
- Green (94%)
- Blue (69%)



- Red (69%)
- Yellow (94%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (26%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7972, 81.4013, 53.5756 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 70.7972, 81.4013, 53.5756 by changing the saturation by 10% instead.

70.7972, 81.4013,
53.5756

70.7972, 81.4013,
53.5756

452.5671,
499.6429, 417.6183

52.4587, 60.8722,
37.8716

119.3650,
135.3341, 96.9009

37.5965, 44.1220,
25.5820

150.3250,
169.5066, 125.3593

25.8455, 30.7664,
16.2882

186.2228,
208.9956, 158.9063

16.8402, 20.4211,
9.5718

227.4238,
254.1855, 197.9604

10.2152, 12.7015,
5.0141

274.2934,
305.4609, 242.9401

5.6052, 7.2233,
2.1967

327.1969,

2.6449, 3.6021,

363.2059, 294.2639

0.6724

386.4997,
427.8051, 352.3505

■ 0.9689, 1.4536,
0.0000

■ 0.0000, 0.2557,
0.0000

■ 70.7972, 81.4013,
53.5756

■ 70.7972, 81.4013,
53.5756

■ 67.2919, 79.8484,
42.0466

■ 74.7570, 83.1454,
67.3070

■ 64.2129, 78.4670,
32.6003

■ 79.1853, 85.0780,
83.3418

■ 61.5382, 77.2511,
25.1133

■ 84.1036, 87.2104,
101.7812

■ 59.2414, 76.1900,
19.4472

■ 86.5638, 88.3635,
107.1012

■ 57.2925, 75.2719,
15.4458

■ 88.0607, 89.1351,
107.1712

■ 55.6565, 74.4826,
12.9264

■ 89.5918, 89.9244,
107.2429

■ 54.2904, 73.8049,
11.6629

■ 90.1582, 90.2164,
107.2694

■ 53.7851, 73.5505,
11.3619

Harmonies

Analogous

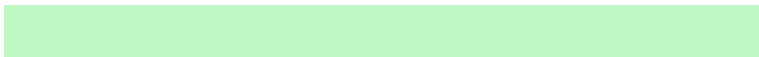
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6870, 81.4013, 50.6369



70.7972, 81.4013, 53.5756



65.0554, 81.4013, 65.1886

Triad

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



70.7972, 81.4013, 53.5756



68.6799, 81.4013, 131.4392



94.2746, 81.4013, 92.4374

Complementary

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



70.7972, 81.4013, 53.5756



52.0444, 48.3698, 88.2592

Split Complementary

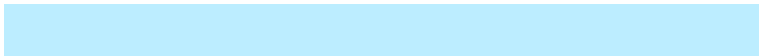
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1470, 81.4013, 117.1139



70.7972, 81.4013, 53.5756



76.0668, 81.4013, 142.0375

Square

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



70.7972, 81.4013, 53.5756



63.8953, 81.4013, 109.4615



84.3364, 81.4013, 136.3791



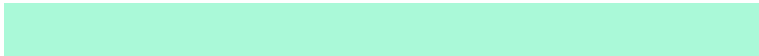
92.6162, 81.4013, 70.6285

Rectangle

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



70.7972, 81.4013, 53.5756



63.0236, 81.4013, 77.5722



84.3364, 81.4013, 136.3791



93.7422, 81.4013, 100.6965

Sweetspot

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



70.7993, 81.4049, 53.5773



90.6180, 98.0748, 92.4488



61.3764, 57.2096, 49.4038



19.2263, 20.9181, 19.1686



0.0000, 0.0000, 0.0000



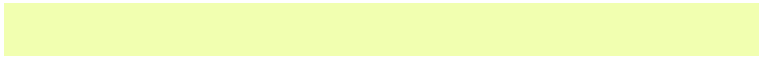
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7993, 81.4049, 53.5773



79.8565, 93.3479, 54.8574



62.0061, 76.8718, 53.1658



16.8316, 18.3089, 16.7966



29.8221, 40.6954, 6.2832



2.5522, 3.4222, 0.5260

Inverse Universe

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



52.0444, 48.3698, 88.2592



54.7960, 49.1958, 101.2154



60.3181, 52.6351, 88.6464



15.1589, 15.3636, 19.8881



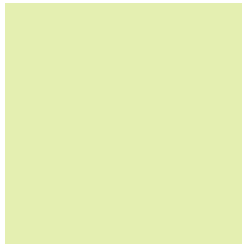
9.2240, 3.7605, 45.3676



0.8409, 0.3508, 3.7776

Previews

White Background



This preview shows how the XYZ color 70.7972, 81.4013, 53.5756 looks on a white background.

Color Contrast Check

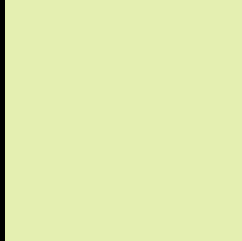
Large Text (above 18pt) WCAG AA × Fail

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 70.7972, 81.4013, 53.5756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

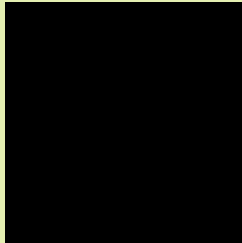
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

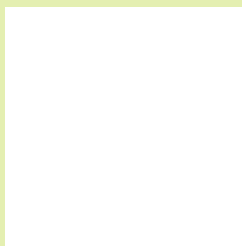
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7972, 81.4013, 53.5756

Background



This preview shows how black text looks on a background with the XYZ color 70.7972, 81.4013, 53.5756.

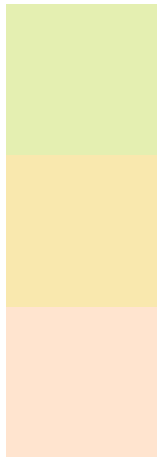


This preview shows how white text looks on a background with the XYZ color 70.7972, 81.4013,

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

70.7972, 81.4013, 53.5756

Protanopia

75.5635, 80.9090, 51.6788

Deuteranopia

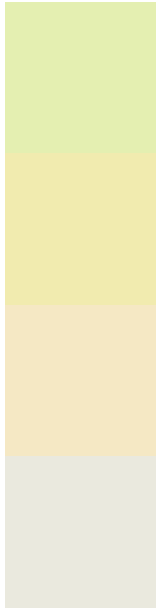
80.2459, 81.2518, 70.4852



Tritanopia

80.1651, 81.3755, 100.2888

Trichromacy



Original Color

70.7972, 81.4013, 53.5756

Protanomaly

73.7218, 81.2126, 52.3475

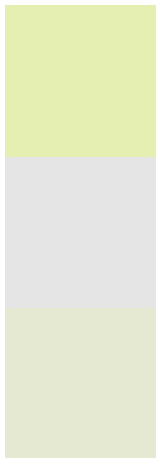
Deuteranomaly

76.4766, 81.1112, 63.8498

Tritanomaly

76.2554, 81.0442, 80.7312

Monochromacy



Original Color

70.7972, 81.4013, 53.5756

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.0849, 79.5890, 72.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7972, 81.4013, 53.5756 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, 239, 177)` looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 177)  
}
```

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, 239, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 177) }
```

Border

The CSS property to change the border of an element to XYZ 70.7972, 81.4013, 53.5756 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, 239, 177) }
```


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

```
.border{ border-color:rgb(228, 239, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 239, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 239, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 239, 177); box-shadow:4px 4px 4px 4px rgb(228, 239, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7972, 81.4013, 53.5756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 177) }
```

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

```
.background{ background-color: rgb(228,  
239, 177) }
```

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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