

Converting Colors

XYZ(70.8233, 84.0398, 51.1967)

Have a look what the booklet for XYZ(70.8233, 84.0398, 51.1967) contains.

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Color

**XYZ(70.7436, 84.0924,
51.0309)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F5AB
RGB	224, 245, 171
RGB Percent	88%, 96%, 67%
CMY	0.1216, 0.0392, 0.3294
CMYK	0.09, 0.00, 0.30, 0.04
HSL	77°, 79%, 82%
HSV	77°, 30%, 96%
XYZ	70.7436, 84.0924, 51.0309
YIQ	230.2850, 11.2380, -27.4660

Conversions

Conversions Part 2

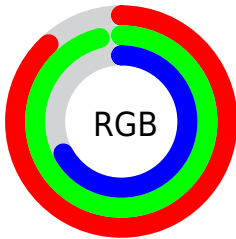
Format	Color
RYB	171, 245, 192
Decimal	14742955
CIELab	93.49, -18.82, 33.42
CIELCh	93, 38.356, 119.377
Yxy	84.0924, 0.3436, 0.4085
Android (android.graphics.Color)	4292933035 (0xFFE0F5AB)
YUV	230.2850, -29.2275, -5.5119
Hunter-Lab	91.7019, -22.7742, 31.1972

Details

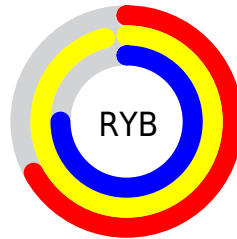
The XYZ color **70.7436, 84.0924, 51.0309** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.7858, 46.9271, 92.6666**, and the grayscale version is **75.6307, 79.5694, 86.6510**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **37.6161, 46.0280, 24.0413** is the 20% darker color. If you saturate the color by 10%, you get **66.5107, 82.1582, 39.7518**, and if you desaturate by 10%, it is **75.5019, 86.2527, 64.5974**.

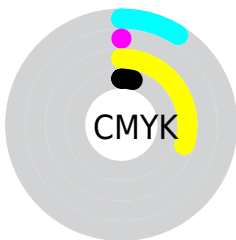
Distribution



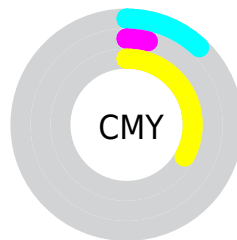
- Red (88%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (75%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)





- Cyan (12%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7436, 84.0924, 51.0309 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 70.7436, 84.0924, 51.0309 by changing the saturation by 10% instead.


 70.7436, 84.0924,
51.0309

 70.7436, 84.0924,
51.0309


452.3824,
508.6200, 407.5338

 52.4148, 63.0917,
35.8563


 119.2891,
139.1044, 93.1124

 37.5614, 45.9154,
24.0344


150.2364,
173.8846, 120.8564

 25.8181, 32.1791,
15.1467


186.1206,
214.0266, 153.6273

 16.8196, 21.4983,
8.7747

227.3071,
259.9151, 191.8436

 10.2004, 13.4887,
4.4997

274.1612,
311.9342, 235.9239

 5.5953, 7.7660,
1.9033

327.0482,

 2.6389, 3.9456,

370.4685, 286.2866

0.4948

386.3335,
435.9023, 343.3504

■ 0.9658, 1.6432,
0.0000

■ 0.0000, 0.3864,
0.0000

■ 70.7436, 84.0924,
51.0309

■ 70.7436, 84.0924,
51.0309

■ 66.5107, 82.1582,
39.7518

■ 75.5019, 86.2527,
64.5974

■ 62.7717, 80.4287,
30.6286

■ 80.8023, 88.6373,
80.5625

■ 59.5014, 78.8967,
23.5245

■ 86.6685, 91.2586,
99.0365

■ 56.6695, 77.5498,
18.2851

■ 90.7831, 93.1898,
107.8104

■ 54.2412, 76.3741,
14.7335

■ 91.9442, 93.7884,
107.8647

■ 52.1754, 75.3529,
12.6587

■ 50.4375, 74.4760,
11.7170

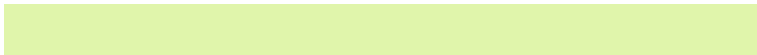
Harmonies

Analogous

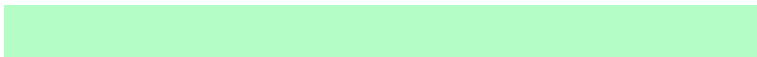
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1393, 84.0924, 46.3252



70.7436, 84.0924, 51.0309



64.3030, 84.0924, 65.9741

Triad

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



70.7436, 84.0924, 51.0309



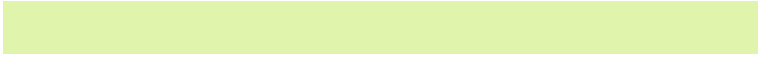
70.4060, 84.0924, 148.4765



101.0402, 84.0924, 92.1702

Complementary

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



70.7436, 84.0924, 51.0309



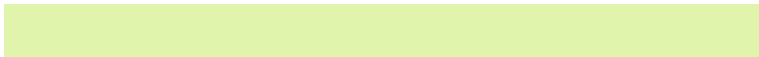
52.7858, 46.9271, 92.6666

Split Complementary

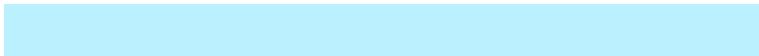
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8973, 84.0924, 123.0352



70.7436, 84.0924, 51.0309



79.7157, 84.0924, 159.4760

Square

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



70.7436, 84.0924, 51.0309



64.1200, 84.0924, 121.7603



89.8733, 84.0924, 149.3153



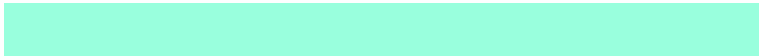
98.1399, 84.0924, 66.8220

Rectangle

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



70.7436, 84.0924, 51.0309



62.2630, 84.0924, 81.6546



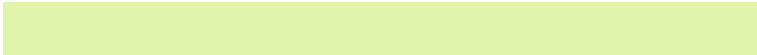
89.8733, 84.0924, 149.3153



100.6516, 84.0924, 102.2407

Sweetspot

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



70.7457, 84.0961, 51.0327



89.2165, 97.3944, 90.4780



63.8522, 60.0400, 46.7527



18.9044, 20.7605, 18.7742



0.0000, 0.0000, 0.0000



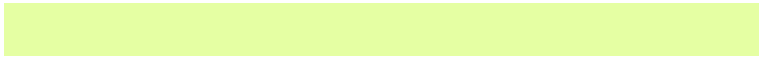
20.3446, 21.4041, 23.3091

Same Dimension

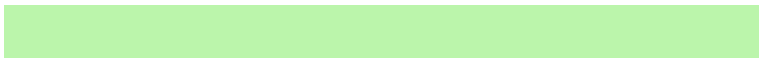
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7457, 84.0961, 51.0327



74.6838, 90.8202, 48.3382



60.5075, 78.8181, 50.5536



17.4295, 19.0635, 17.5586



27.3129, 40.1931, 6.3185



2.5010, 3.5844, 0.5600

Inverse Universe

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



52.7858, 46.9271, 92.6666



52.2327, 44.3371, 100.4127



63.3498, 52.3730, 93.1610



16.0228, 16.1544, 20.8162



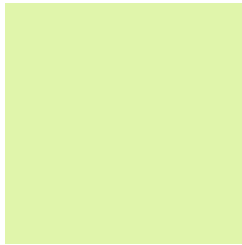
10.3385, 4.3040, 46.8239



1.0053, 0.4281, 4.1199

Previews

White Background



This preview shows how the XYZ color 70.7436, 84.0924, 51.0309 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 70.7436, 84.0924, 51.0309 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 70.7436, 84.0924, 51.0309

Background



This preview shows how black text looks on a background with the XYZ color 70.7436, 84.0924, 51.0309.

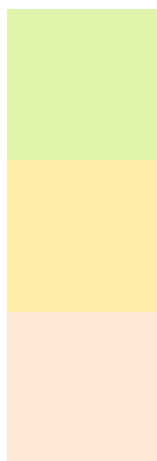


This preview shows how white text looks on a background with the XYZ color 70.7436, 84.0924,

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

70.7436, 84.0924, 51.0309

Protanopia

77.8436, 83.8518, 48.6414

Deuteranopia

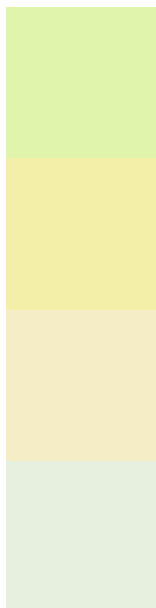
82.1069, 83.7773, 74.7939



Tritanopia

81.6989, 84.1707, 104.8691

Trichromacy



Original Color

70.7436, 84.0924, 51.0309

Protanomaly

74.8965, 83.6148, 49.2376

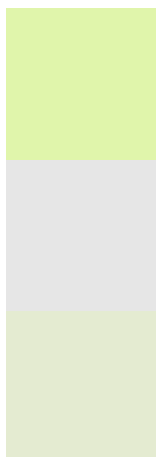
Deuteranomaly

77.7855, 83.8787, 65.5166

Tritanomaly

77.1408, 84.0496, 81.9695

Monochromacy



Original Color

70.7436, 84.0924, 51.0309

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.2119, 80.5141, 72.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7436, 84.0924, 51.0309 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(224, 245, 171)` looks like.

```
.text, #text, p{  
    color:rgb(224, 245, 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(224, 245, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 245, 171) }
```

Border

The CSS property to change the border of an element to XYZ 70.7436, 84.0924, 51.0309 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(224, 245, 171) }
```


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

```
.border{ border-color:rgb(224, 245, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 245, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 245, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 245, 171);  
box-shadow:4px 4px 4px 4px rgb(224, 245,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7436, 84.0924, 51.0309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 245, 171) }
```

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

```
.background{ background-color: rgb(224,  
245, 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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