

Converting Colors

XYZ(72.1441, 81.3345, 50.3843)

Have a look what the booklet for
XYZ(72.1441, 81.3345, 50.3843)
contains.

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Color

**XYZ(72.2269, 81.3415,
50.4218)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEDAB
RGB	236, 237, 171
RGB Percent	93%, 93%, 67%
CMY	0.0745, 0.0706, 0.3294
CMYK	0.00, 0.00, 0.28, 0.07
HSL	61°, 65%, 80%
HSV	61°, 28%, 93%
XYZ	72.2269, 81.3415, 50.4218
YIQ	229.1770, 20.5900, -20.7380

Conversions

Conversions Part 2

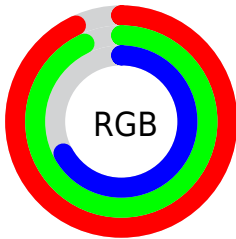
Format	Color
RYB	171, 237, 172
Decimal	15527339
CIELab	92.28, -10.47, 31.96
CIELCh	92, 33.633, 108.133
Yxy	81.3415, 0.3541, 0.3988
Android (android.graphics.Color)	4293717419 (0xFFEEDAB)
YUV	229.1770, -28.6813, 5.9838
Hunter-Lab	90.1895, -14.8827, 29.9857

Details

The XYZ color **72.2269, 81.3415, 50.4218** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.8653, 44.0130, 86.1507**, and the grayscale version is **74.8022, 78.6977, 85.7018**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **38.3843, 43.9395, 23.5976** is the 20% darker color. If you saturate the color by 10%, you get **70.0484, 80.4591, 39.5662**, and if you desaturate by 10%, it is **74.8149, 82.3934, 63.4141**.

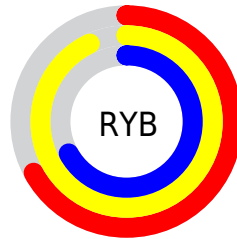
Distribution



Red (93%)

Green (93%)

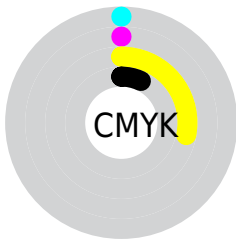
Blue (67%)



Red (67%)

Yellow (93%)

Blue (67%)

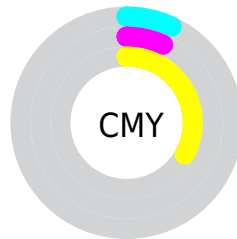


Cyan (0%)

Magenta (0%)

Yellow (28%)

Black (7%)



Cyan (7%)


Magenta (7%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2269, 81.3415, 50.4218 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 72.2269, 81.3415, 50.4218 by changing the saturation by 10% instead.


 72.2269, 81.3415,
50.4218

 72.2269, 81.3415,
50.4218

457.4764,
499.4424, 405.0954

 53.6302, 60.8229,
35.3751


 121.3881,
135.2502, 92.2023

 38.5356, 44.0823,
23.6661


152.6833,
169.4090, 119.7731

 26.5777, 30.7352,
14.8762

188.9421,
208.8834, 152.3558

 17.3913, 20.3973,
8.5869

230.5297,
254.0578, 190.3688

 10.6109, 12.6842,
4.3796

277.8116,
305.3164, 234.2308

 5.8712, 7.2114,
1.8358

331.1531,

 2.8068, 3.5947,

363.0438, 284.3602

0.4514

390.9196,
427.6243, 341.1755

■ 1.0524, 1.4495,
0.0000

■ 0.0000, 0.2528,
0.0000

■ 72.2269, 81.3415,
50.4218

■ 72.2269, 81.3415,
50.4218

■ 70.0484, 80.4591,
39.5662

■ 74.8149, 82.3934,
63.4141

■ 68.2516, 79.7265,
30.7283

■ 77.8262, 83.6118,
78.6436

■ 66.8148, 79.1380,
23.7850

■ 81.2816, 85.0079,
96.2106

■ 65.7117, 78.6831,
18.5979

■ 83.4098, 85.8731,
106.7867

64.9125, 78.3497,
15.0098

83.5308, 85.9355,
106.7924

64.3821, 78.1238,
12.8355

83.6521, 85.9980,
106.7981

64.0724, 77.9862,
11.8223

83.7736, 86.0607,
106.8038

64.0190, 77.9619,
11.6740

83.8954, 86.1234,
106.8095

84.0174, 86.1863,
106.8152

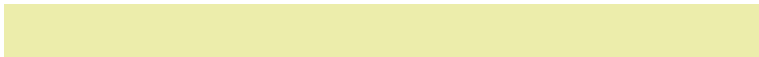
Harmonies

Analogous

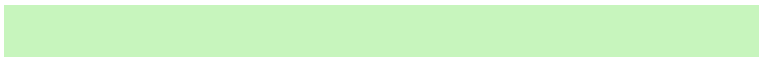
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8008, 81.3415, 49.4974



72.2269, 81.3415, 50.4218



65.5223, 81.3415, 60.3082

Triad

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



72.2269, 81.3415, 50.4218



66.6859, 81.3415, 129.2082



94.8493, 81.3415, 98.7795

Complementary

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



72.2269, 81.3415, 50.4218



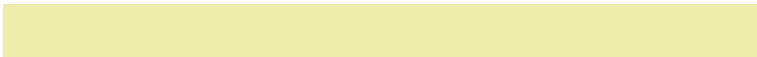
46.8653, 44.0130, 86.1507

Split Complementary

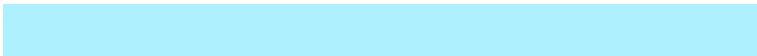
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4388, 81.3415, 124.5078



72.2269, 81.3415, 50.4218



73.9263, 81.3415, 144.1533

Square

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



72.2269, 81.3415, 50.4218



62.4922, 81.3415, 104.3147



82.6317, 81.3415, 142.2878



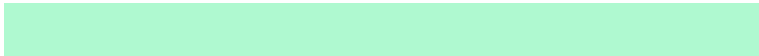
94.3085, 81.3415, 74.4899

Rectangle

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



72.2269, 81.3415, 50.4218



62.8160, 81.3415, 71.9086



82.6317, 81.3415, 142.2878



93.8839, 81.3415, 107.6179

Sweetspot

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



72.2290, 81.3451, 50.4235



91.8234, 98.6961, 92.5053



56.8413, 50.0726, 45.1983



19.5322, 21.0758, 19.1829



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

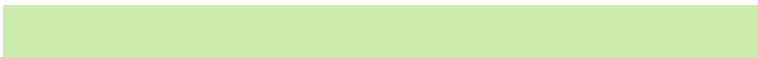
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2290, 81.3451, 50.4235



83.8661, 95.4721, 52.4609



62.5398, 76.3502, 49.9701



16.3279, 17.6146, 16.0581



34.9609, 42.5675, 6.3737



2.7526, 3.3463, 0.5008

Inverse Universe

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



46.8653, 44.0130, 86.1507



49.6269, 45.0748, 100.6924



54.7533, 48.0794, 86.5199



14.2524, 14.5599, 18.9814



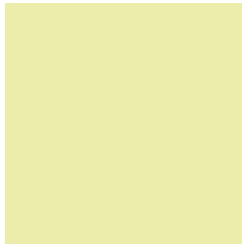
8.3802, 3.3561, 43.9491



0.6655, 0.2674, 3.4514

Previews

White Background



This preview shows how the XYZ color 72.2269, 81.3415, 50.4218 looks on a white background.

Color Contrast Check

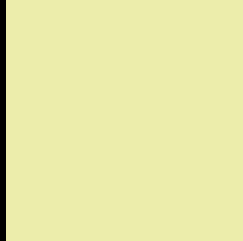
Large Text (above 18pt) WCAG AA × Fail

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 72.2269, 81.3415, 50.4218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

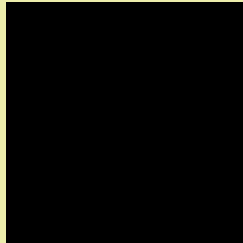
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2269, 81.3415, 50.4218

Background



This preview shows how black text looks on a background with the XYZ color 72.2269, 81.3415, 50.4218.

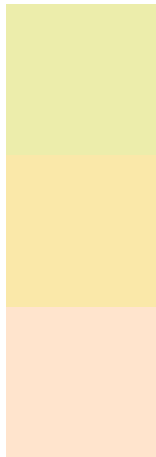


This preview shows how white text looks on a background with the XYZ color 72.2269, 81.3415,

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

72.2269, 81.3415, 50.4218

Protanopia

75.4424, 80.9018, 49.1755

Deuteranopia

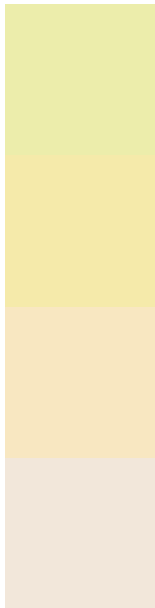
80.0028, 81.1546, 69.2054



Tritanopia

81.6067, 80.9432, 97.7087

Trichromacy



Original Color

72.2269, 81.3415, 50.4218

Protanomaly

74.3347, 81.1604, 49.7779

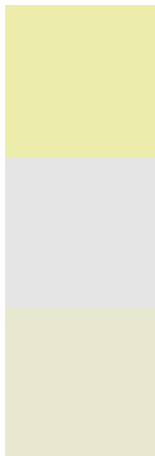
Deuteranomaly

76.9130, 80.9585, 62.0249

Tritanomaly

77.8488, 81.0910, 77.8787

Monochromacy



Original Color

72.2269, 81.3415, 50.4218

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5205, 79.4231, 71.1298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2269, 81.3415, 50.4218 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, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 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(236, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 171) }
```

Border

The CSS property to change the border of an element to XYZ 72.2269, 81.3415, 50.4218 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, 237, 171) }
```


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

```
.border{ border-color:rgb(236, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2269, 81.3415, 50.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 171) }
```

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

```
.background{ background-color: rgb(236,  
237, 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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