

Converting Colors

XYZ(72.8587, 80.7647, 50.5677)

Have a look what the booklet for
XYZ(72.8587, 80.7647, 50.5677)
contains.

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Color

**XYZ(73.0899, 80.9205,
50.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EBAC
RGB	240, 235, 172
RGB Percent	94%, 92%, 67%
CMY	0.0588, 0.0784, 0.3255
CMYK	0.00, 0.02, 0.28, 0.06
HSL	56°, 69%, 81%
HSV	56°, 28%, 94%
XYZ	73.0899, 80.9205, 50.7967
YIQ	229.3130, 23.2030, -18.5330

Conversions

Conversions Part 2

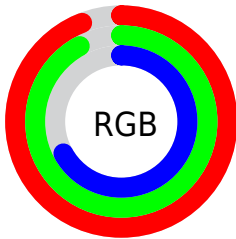
Format	Color
RYB	177, 240, 172
Decimal	15788972
CIELab	92.10, -7.85, 31.26
CIELCh	92, 32.228, 104.099
Yxy	80.9205, 0.3569, 0.3951
Android (android.graphics.Color)	4293979052 (0xFFFF0EBAC)
YUV	229.3130, -28.2553, 9.3725
Hunter-Lab	89.9558, -12.3899, 29.4889

Details

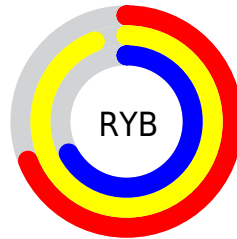
The XYZ color **73.0899, 80.9205, 50.7967** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.4634, 46.5050, 88.8603**, and the grayscale version is **74.8981, 78.7986, 85.8117**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **38.9783, 43.6394, 23.8216** is the 20% darker color. If you saturate the color by 10%, you get **70.4886, 79.0793, 39.5666**, and if you desaturate by 10%, it is **76.1166, 82.9455, 64.2242**.

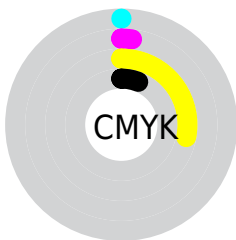
Distribution



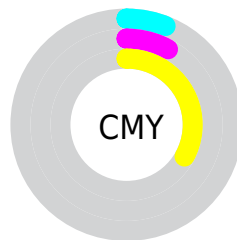
- Red (94%)
- Green (92%)
- Blue (67%)



- Red (69%)
- Yellow (94%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (28%)
- Black (6%)



- Cyan (6%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0899, 80.9205, 50.7967 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 73.0899, 80.9205, 50.7967 by changing the saturation by 10% instead.

73.0899, 80.9205,
50.7967

73.0899, 80.9205,
50.7967

460.4253,
498.0296, 406.5974

54.3381, 60.4761,
35.6712

122.6073,
134.6591, 92.7626

39.1038, 43.8025,
23.8927

154.1036,
168.7222, 120.4401

27.0216, 30.5153,
15.0426

190.5787,
208.0936, 153.1388

17.7261, 20.2300,
8.7023

232.3982,
253.1577, 191.2770

10.8520, 12.5624,
4.4534

279.9272,
304.2990, 235.2735

6.0340, 7.1279,
1.8772

333.5311,

2.9066, 3.5422,

361.9018, 285.5467

0.4782

393.5754,
426.3505, 342.5151

■ 1.1046, 1.4209,
0.0000

■ 0.0289, 0.2321,
0.0000

■ 73.0899, 80.9205,
50.7967

■ 73.0899, 80.9205,
50.7967

■ 70.4886, 79.0793,
39.5666

■ 76.1166, 82.9455,
64.2242

■ 68.2842, 77.4020,
30.4106


■ 79.5833, 85.1518,
79.9532


■ 66.4541, 75.8823,
23.2014


■ 83.5115, 87.5506,
98.0872


■ 64.9710, 74.5095,
17.7953


■ 85.7543, 89.2834,
107.3214


 63.8040, 73.2709,
14.0289


 86.2816, 90.3381,
107.4972


 62.9163, 72.1520,
11.7094

 86.8141, 91.4029,
107.6747

 62.2561, 71.1319,
10.5635

 87.3516, 92.4779,
107.8538

 62.1559, 70.9666,
10.4220

 87.8942, 93.5631,
108.0347

 88.4419, 94.6585,
108.2173

Harmonies

Analogous

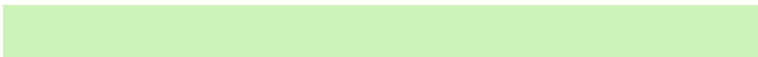
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3686, 80.9205, 51.0549



73.0899, 80.9205, 50.7967



66.3320, 80.9205, 59.1913

Triad

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



73.0899, 80.9205, 50.7967



66.0109, 80.9205, 123.8981



93.3055, 80.9205, 101.2345

Complementary

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



73.0899, 80.9205, 50.7967



48.4634, 46.5050, 88.8603

Split Complementary

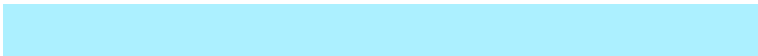
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5622, 80.9205, 125.1787



73.0899, 80.9205, 50.7967



72.6221, 80.9205, 139.7838

Square

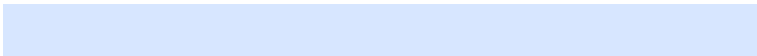
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0899, 80.9205, 50.7967



62.4485, 80.9205, 99.7185



80.8661, 80.9205, 140.2907



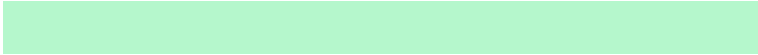
93.4534, 80.9205, 77.4369

Rectangle

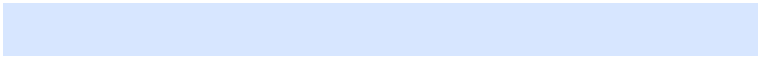
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0899, 80.9205, 50.7967



63.4305, 80.9205, 69.6126



80.8661, 80.9205, 140.2907



92.1811, 80.9205, 109.6212

Sweetspot

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



73.0920, 80.9241, 50.7984



91.4615, 97.8028, 92.3519



58.6909, 51.2323, 48.7408



19.4403, 20.8488, 19.1439



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

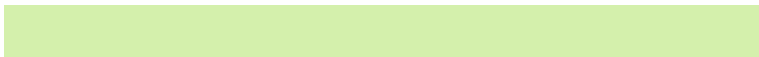
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.0920, 80.9241, 50.7984



82.0980, 91.6227, 50.5504



65.6624, 79.2467, 50.8662



17.0178, 18.2486, 16.7751



34.0679, 38.9339, 5.7194



2.8636, 3.2978, 0.4856

Inverse Universe

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



48.4634, 46.5050, 88.8603



49.5278, 46.1085, 100.8972



54.3901, 48.1227, 88.8602



14.9905, 15.4151, 19.9069



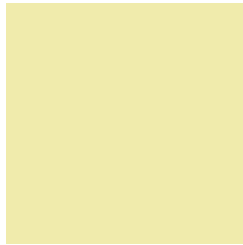
8.7600, 3.7443, 45.3889



0.7610, 0.3759, 3.7867

Previews

White Background



This preview shows how the XYZ color 73.0899, 80.9205, 50.7967 looks on a white background.

Color Contrast Check

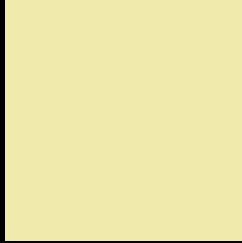
Large Text (above 18pt) WCAG AA × Fail

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 73.0899, 80.9205, 50.7967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

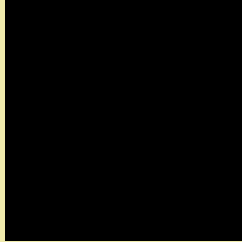
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.0899, 80.9205, 50.7967

Background



This preview shows how black text looks on a background with the XYZ color 73.0899, 80.9205, 50.7967.



This preview shows how white text looks on a background with the XYZ color 73.0899, 80.9205,

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

73.0899, 80.9205, 50.7967

Protanopia

75.2742, 80.7932, 50.1554

Deuteranopia

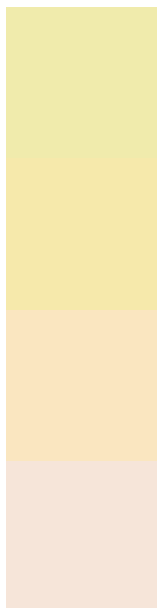
79.6082, 80.5578, 68.4802



Tritanopia

82.4409, 81.0035, 96.0842

Trichromacy



Original Color

73.0899, 80.9205, 50.7967

Protanomaly

74.4956, 80.8109, 50.1998

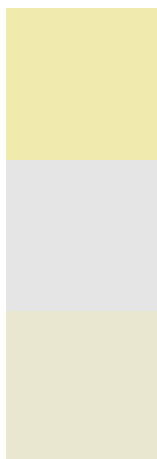
Deuteranomaly

77.2356, 80.7234, 61.3796

Tritanomaly

78.5497, 80.6412, 77.0709

Monochromacy



Original Color

73.0899, 80.9205, 50.7967

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5654, 79.0295, 71.0514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.0899, 80.9205, 50.7967 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(240, 235, 172)` looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 172)  
}
```

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(240, 235, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 172) }
```

Border

The CSS property to change the border of an element to XYZ 73.0899, 80.9205, 50.7967 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(240, 235, 172) }
```


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

```
.border{ border-color:rgb(240, 235, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 235, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 172);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 73.0899, 80.9205, 50.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 172) }
```

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

```
.background{ background-color: rgb(240,  
235, 172) }
```

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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