

Converting Colors

XYZ(73.1976, 81.7144, 48.8971)

Have a look what the booklet for
XYZ(73.1976, 81.7144, 48.8971)
contains.

XYZ(73.2872, 81.9208, 48.9954)	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(73.2872, 81.9208,
48.9954)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EDA8
RGB	240, 237, 168
RGB Percent	94%, 93%, 66%
CMY	0.0588, 0.0706, 0.3412
CMYK	0.00, 0.01, 0.30, 0.06
HSL	58°, 71%, 80%
HSV	58°, 30%, 94%
XYZ	73.2872, 81.9208, 48.9954
YIQ	230.0310, 23.9370, -20.8230

Conversions

Conversions Part 2

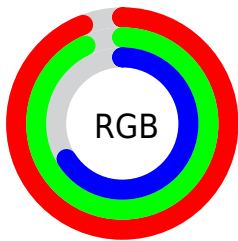
Format	Color
RYB	171, 240, 168
Decimal	15789480
CIELab	92.54, -9.35, 33.88
CIELCh	93, 35.145, 105.430
Yxy	81.9208, 0.3589, 0.4012
Android (android.graphics.Color)	4293979560 (0xFFFF0EDA8)
YUV	230.0310, -30.5813, 8.7428
Hunter-Lab	90.5101, -13.8589, 31.2619

Details

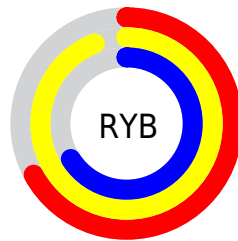
The XYZ color **73.2872, 81.9208, 48.9954** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.4393, 43.7407, 88.4333**, and the grayscale version is **75.4453, 79.3743, 86.4387**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **39.1468, 44.3528, 22.7174** is the 20% darker color. If you saturate the color by 10%, you get **70.9672, 80.5346, 38.1908**, and if you desaturate by 10%, it is **76.0256, 83.4827, 61.9772**.

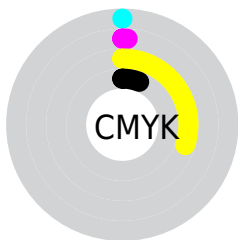
Distribution



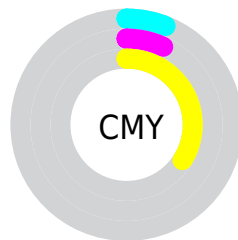
- Red (94%)
- Green (93%)
- Blue (66%)



- Red (67%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (1%)
- Yellow (30%)
- Black (6%)





- Cyan (6%)
- Magenta (7%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2872, 81.9208, 48.9954 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 73.2872, 81.9208, 48.9954 by changing the saturation by 10% instead.


 73.2872, 81.9208,
48.9954


 73.2872, 81.9208,
48.9954


461.0980,
501.3827, 399.3462

 54.5000, 61.3003,
34.2503


 122.8858,
136.0629, 90.0655

 39.2338, 44.4675,
22.8070


 154.4279,
170.3533, 117.2276

 27.1232, 31.0382,
14.2471


190.9524,
209.9691, 149.3657

 17.8029, 20.6280,
8.1520

232.8247,
255.2946, 186.8985

 10.9074, 12.8523,
4.1032

280.4100,
306.7144, 230.2443

 6.0714, 7.3269,
1.6821

334.0737,

 2.9296, 3.6674,

364.6127, 279.8219

0.3484

394.1813,
429.3740, 336.0496

■ 1.1167, 1.4893,
0.0000

■ 0.0390, 0.2812,
0.0000

■ 73.2872, 81.9208,
48.9954

■ 73.2872, 81.9208,
48.9954

■ 70.9672, 80.5346,
38.1908

■ 76.0256, 83.4827,
61.9772

■ 69.0368, 79.3040,
29.4386

■ 79.1973, 85.2175,
77.2417

■ 67.4730, 78.2225,
22.6091

■ 82.8238, 87.1369,
94.8936

■ 66.2480, 77.2792,
17.5560

■ 85.4399, 88.6547,
107.2166

■ 65.3300, 76.4612,
14.1118

■ 85.7361, 89.2472,
107.3154

■ 64.6812, 75.7534,
12.0771

■ 86.0340, 89.8429,
107.4147

■ 64.2377, 75.1303,
11.1160

■ 86.3335, 90.4418,
107.5145

■ 64.2377, 75.1303,
11.1159

■ 86.6346, 91.0440,
107.6149

■ 86.9373, 91.6494,
107.7158

Harmonies

Analogous

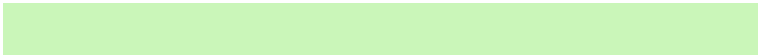
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3614, 81.9208, 48.8645



73.2872, 81.9208, 48.9954



66.0196, 81.9208, 58.3743

Triad

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



73.2872, 81.9208, 48.9954



66.1867, 81.9208, 130.0023



96.1110, 81.9208, 102.4463

Complementary

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



73.2872, 81.9208, 48.9954



46.4393, 43.7407, 88.4333

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.



91.0449, 81.9208, 129.3174



73.2872, 81.9208, 48.9954



73.5320, 81.9208, 147.2123

Square

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



73.2872, 81.9208, 48.9954



62.1437, 81.9208, 103.2480



82.6260, 81.9208, 146.9397



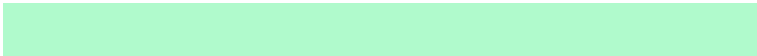
96.0326, 81.9208, 76.4838

Rectangle

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



73.2872, 81.9208, 48.9954



62.9701, 81.9208, 69.8913



82.6260, 81.9208, 146.9397



94.9369, 81.9208, 111.7678

Sweetspot

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



73.2893, 81.9245, 48.9971



91.2689, 98.0017, 90.4870



57.3465, 49.4946, 45.3606



19.4131, 20.9108, 18.7764



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

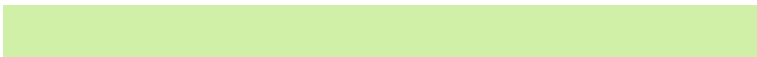
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2893, 81.9245, 48.9971



82.4231, 93.0201, 48.3549



64.1286, 78.4996, 48.8189



17.0633, 18.3397, 16.7903



35.1901, 41.1782, 6.0935



2.9448, 3.4604, 0.5127

Inverse Universe

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



46.4393, 43.7407, 88.4333



47.0171, 42.6714, 100.3661



53.6580, 46.6320, 88.6109



14.9500, 15.3340, 19.8934



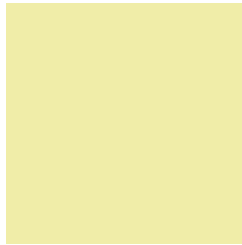
8.6927, 3.6097, 45.3665



0.7416, 0.3371, 3.7802

Previews

White Background



This preview shows how the XYZ color 73.2872, 81.9208, 48.9954 looks on a white background.

Color Contrast Check

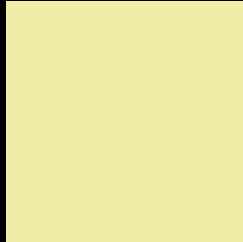
Large Text (above 18pt) WCAG AA × Fail

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 73.2872, 81.9208, 48.9954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

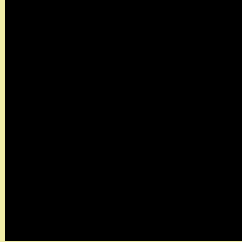
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.2872, 81.9208, 48.9954

Background



This preview shows how black text looks on a background with the XYZ color 73.2872, 81.9208, 48.9954.

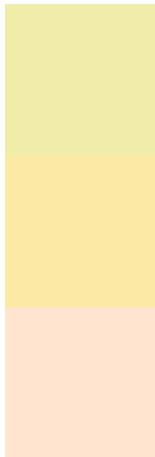


This preview shows how white text looks on a background with the XYZ color 73.2872, 81.9208,

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

73.2872, 81.9208, 48.9954

Protanopia

76.1667, 81.7264, 47.8368

Deuteranopia

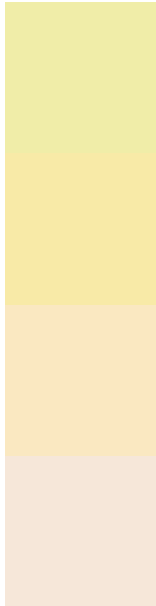
80.5218, 81.8036, 70.5772



Tritanopia

83.0174, 81.6705, 97.7747

Trichromacy



Original Color

73.2872, 81.9208, 48.9954

Protanomaly

75.1093, 81.5921, 48.3494

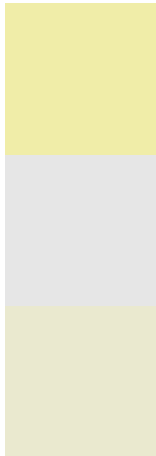
Deuteranomaly

77.9066, 81.8875, 62.1518

Tritanomaly

79.1063, 81.7544, 77.2565

Monochromacy



Original Color

73.2872, 81.9208, 48.9954

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.3331, 80.2752, 70.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2872, 81.9208, 48.9954 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, 237, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 168)  
}
```

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, 237, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 168) }
```

Border

The CSS property to change the border of an element to XYZ 73.2872, 81.9208, 48.9954 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, 237, 168) }
```


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

```
.border{ border-color:rgb(240, 237, 168) }
```

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

Here you see how a box with a 4 pixel rgb(240, 237, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2872, 81.9208, 48.9954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 168) }
```

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

```
.background{ background-color: rgb(240,  
237, 168) }
```

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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