

Converting Colors

XYZ(72.6615, 81.3712, 49.9068)

Have a look what the booklet for
XYZ(72.6615, 81.3712, 49.9068)
contains.

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Color

**XYZ(72.7998, 81.6478,
49.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEDAA
RGB	238, 237, 170
RGB Percent	93%, 93%, 67%
CMY	0.0667, 0.0706, 0.3333
CMYK	0.00, 0.00, 0.29, 0.07
HSL	59°, 67%, 80%
HSV	59°, 29%, 93%
XYZ	72.7998, 81.6478, 49.9529
YIQ	229.6610, 22.1030, -20.6250

Conversions

Conversions Part 2

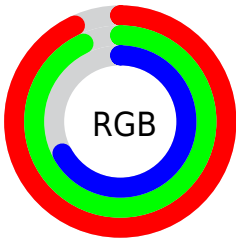
Format	Color
RYB	171, 238, 170
Decimal	15658410
CIELab	92.42, -9.85, 32.68
CIELCh	92, 34.130, 106.773
Yxy	81.6478, 0.3562, 0.3995
Android (android.graphics.Color)	4293848490 (0xFFEEEDAA)
YUV	229.6610, -29.4129, 7.3133
Hunter-Lab	90.3592, -14.3162, 30.4744

Details

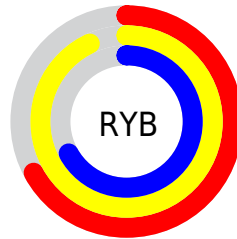
The XYZ color **72.7998, 81.6478, 49.9529** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.5730, 43.8439, 86.8972**, and the grayscale version is **75.1640, 79.0784, 86.1164**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **38.7908, 44.1559, 23.3081** is the 20% darker color. If you saturate the color by 10%, you get **70.6494, 80.6294, 39.1161**, and if you desaturate by 10%, it is **75.3622, 82.8370, 62.9398**.

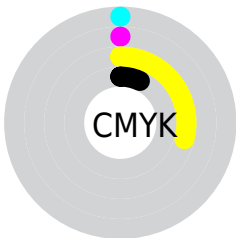
Distribution



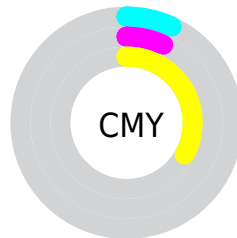
- Red (93%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7998, 81.6478, 49.9529 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 72.7998, 81.6478, 49.9529 by changing the saturation by 10% instead.

72.7998, 81.6478,
49.9529

72.7998, 81.6478,
49.9529

459.4352,
500.4688, 403.2115

54.1001, 61.0753,
35.0051

122.1976,
135.6800, 91.5007

38.9127, 44.2859,
23.3832

153.6264,
169.9084, 118.9377

26.8722, 30.8953,
14.6687

190.0290,
209.4576, 151.3748

17.6134, 20.5192,
8.4432

231.7706,
254.7120, 189.2307

10.7708, 12.7730,
4.2880

279.2167,
306.0559, 232.9237

5.9791, 7.2724,
1.7846

332.7326,

2.8729, 3.6330,

363.8737, 282.8725

0.4178

392.6836,
428.5499, 339.4956

■ 1.0869, 1.4705,
0.0000

■ 0.0141, 0.2678,
0.0000

■ 72.7998, 81.6478,
49.9529

■ 72.7998, 81.6478,
49.9529

■ 70.6494, 80.6294,
39.1161

■ 75.3622, 82.8370,
62.9398

■ 68.8827, 79.7620,
30.3084


■ 78.3508, 84.1941,
78.1788


■ 67.4777, 79.0396,
23.4046


■ 81.7865, 85.7304,
95.7716


■ 66.4077, 78.4514,
18.2638


■ 84.0006, 86.7783,
106.9303


 65.6422, 77.9854,
14.7252


 84.1022, 86.9816,
106.9642


 65.1451, 77.6271,
12.5992

 84.2040, 87.1853,
106.9982

 64.8641, 77.3555,
11.6101

 84.3061, 87.3893,
107.0322

 64.8312, 77.3196,
11.5072

 84.4083, 87.5938,
107.0662

 84.5107, 87.7986,
107.1004

Harmonies

Analogous

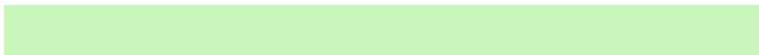
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5596, 81.6478, 49.4237



72.7998, 81.6478, 49.9529



65.8623, 81.6478, 59.5466

Triad

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



72.7998, 81.6478, 49.9529



66.5315, 81.6478, 129.3114



95.3602, 81.6478, 100.5144

Complementary

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



72.7998, 81.6478, 49.9529



46.5730, 43.8439, 86.8972

Split Complementary

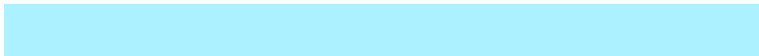
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6638, 81.6478, 126.5955



72.7998, 81.6478, 49.9529



73.7780, 81.6478, 145.2280

Square

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



72.7998, 81.6478, 49.9529



62.4362, 81.6478, 103.7063



82.6146, 81.6478, 144.1490



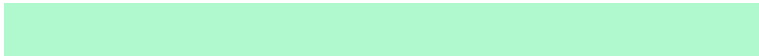
95.0481, 81.6478, 75.5756

Rectangle

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



72.7998, 81.6478, 49.9529



63.0042, 81.6478, 71.0461



82.6146, 81.6478, 144.1490



94.3006, 81.6478, 109.5206

Sweetspot

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



72.8019, 81.6515, 49.9546



91.4656, 98.3951, 90.5526



56.9988, 49.8730, 45.2182



19.4620, 21.0085, 18.7927



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

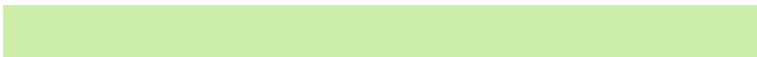
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8019, 81.6515, 49.9546



83.6928, 94.8122, 51.0820



63.0445, 77.0499, 49.5807



17.1020, 18.4170, 16.8032



36.1782, 43.1544, 6.4228



3.0160, 3.6027, 0.5364

Inverse Universe

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



46.5730, 43.8439, 86.8972



48.5562, 44.1654, 100.5733



54.4005, 47.6014, 87.2099



14.9158, 15.2657, 19.8820



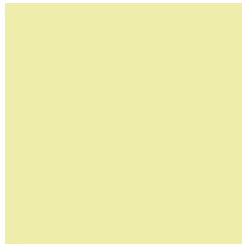
8.6390, 3.5022, 45.3485



0.7252, 0.3043, 3.7747

Previews

White Background



This preview shows how the XYZ color 72.7998, 81.6478, 49.9529 looks on a white background.

Color Contrast Check

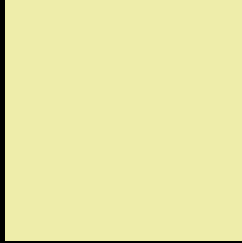
Large Text (above 18pt) WCAG AA × Fail

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 72.7998, 81.6478, 49.9529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

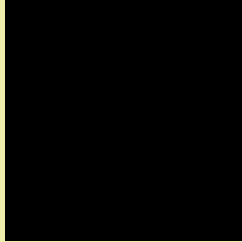
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

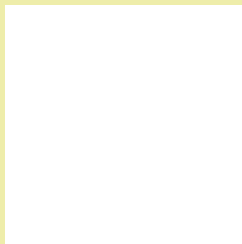
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7998, 81.6478, 49.9529

Background



This preview shows how black text looks on a background with the XYZ color 72.7998, 81.6478, 49.9529.

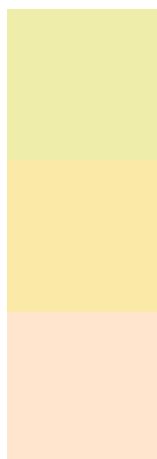


This preview shows how white text looks on a background with the XYZ color 72.7998, 81.6478,

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

72.7998, 81.6478, 49.9529

Protanopia

75.9905, 81.6142, 48.7938

Deuteranopia

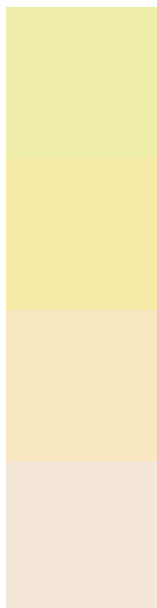
80.1240, 81.2030, 69.8433



Tritanopia

82.3083, 81.3049, 97.7415

Trichromacy



Original Color

72.7998, 81.6478, 49.9529

Protanomaly

74.5903, 81.3030, 49.2978

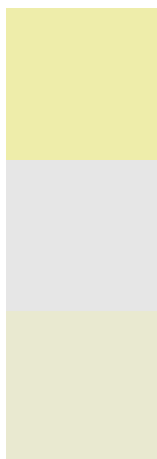
Deuteranomaly

77.2685, 81.1418, 62.0415

Tritanomaly

78.5390, 81.4469, 77.9110

Monochromacy



Original Color

72.7998, 81.6478, 49.9529

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.1284, 80.1555, 71.2391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7998, 81.6478, 49.9529 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(238, 237, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 170)  
}
```

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(238, 237, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 170) }
```

Border

The CSS property to change the border of an element to XYZ 72.7998, 81.6478, 49.9529 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(238, 237, 170) }
```


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

```
.border{ border-color:rgb(238, 237, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7998, 81.6478, 49.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 170) }
```

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

```
.background{ background-color: rgb(238,  
237, 170) }
```

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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