

Converting Colors

XYZ(78.0452, 83.4282, 49.4730)

Have a look what the booklet for
XYZ(78.0452, 83.4282, 49.4730)
contains.

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Color

**XYZ(78.1098, 83.5412,
49.5444)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBA9
RGB	255, 235, 169
RGB Percent	100%, 92%, 66%
CMY	0.0000, 0.0784, 0.3372
CMYK	0.00, 0.08, 0.34, 0.00
HSL	46°, 100%, 83%
HSV	46°, 34%, 100%
XYZ	78.1098, 83.5412, 49.5444
YIQ	233.4560, 33.1060, -16.2860

Conversions

Conversions Part 2

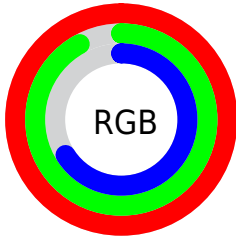
Format	Color
RYB	195, 255, 169
Decimal	16772009
CIELab	93.25, -2.57, 34.53
CIELCh	93, 34.629, 94.258
Yxy	83.5412, 0.3698, 0.3956
Android (android.graphics.Color)	4294962089 (0xFFFFEBA9)
YUV	233.4560, -31.7768, 18.8941
Hunter-Lab	91.4009, -7.4081, 31.8421

Details

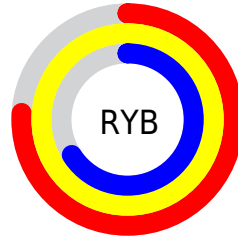
The XYZ color **78.1098, 83.5412, 49.5444** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.6094, 52.0487, 101.8813**, and the grayscale version is **78.0122, 82.0749, 89.3796**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **42.2984, 45.3715, 23.0512** is the 20% darker color. If you saturate the color by 10%, you get **74.2769, 79.3402, 37.5859**, and if you desaturate by 10%, it is **82.4702, 88.0497, 63.9839**.

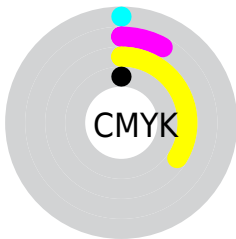
Distribution



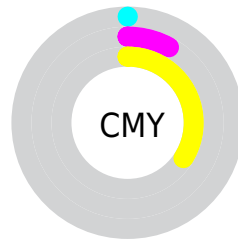
- Red (100%)
- Green (92%)
- Blue (66%)



- Red (76%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (8%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1098, 83.5412, 49.5444 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 78.1098, 83.5412, 49.5444 by changing the saturation by 10% instead.


 78.1098, 83.5412,
49.5444

 78.1098, 83.5412,
49.5444


477.3737,
506.7884, 401.5655

 58.4673, 62.6367,
34.6829


 129.6694,
138.3332, 90.8888

 42.4291, 45.5474,
23.1371


162.3173,
172.9895, 118.2088

 29.6300, 31.8888,
14.4885

200.0309,
212.9985, 150.5187

 19.7046, 21.2766,
8.3186

243.1757,
258.7447, 188.2370

 12.2875, 13.3263,
4.2088

292.1171,
310.6124, 231.7823

 7.0134, 7.6536,
1.7406

347.2203,

 3.5169, 3.8741,

368.9859, 281.5731

0.3883

408.8507,
434.2498, 338.0280

■ 1.4326, 1.6034,
0.0000

■ 0.2793, 0.3599,
0.0000

■ 78.1098, 83.5412,
49.5444

■ 78.1098, 83.5412,
49.5444

■ 74.2769, 79.3402,
37.5859

■ 82.4702, 88.0497,
63.9839

■ 70.9378, 75.4233,
27.9596

■ 87.3776, 92.8654,
81.0313

■ 68.0636, 71.7812,
20.5085

■ 92.8579, 98.0025,
100.8111

■ 65.6202, 68.3992,
15.0544

95.0500, 100.0000,
108.9000

■ 63.5675, 65.2606,
11.3903

■ 61.8573, 62.3449,
9.2638

■ 60.9157, 60.6114,
8.4886

Harmonies

Analogous

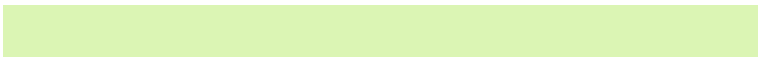
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2569, 83.5412, 52.8431



78.1098, 83.5412, 49.5444



69.9451, 83.5412, 55.4793

Triad

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



78.1098, 83.5412, 49.5444



65.7875, 83.5412, 122.2263



96.2504, 83.5412, 114.5368

Complementary

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



78.1098, 83.5412, 49.5444



52.6094, 52.0487, 101.8813

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.



89.6781, 83.5412, 139.0457



78.1098, 83.5412, 49.5444



72.0358, 83.5412, 144.0476

Square

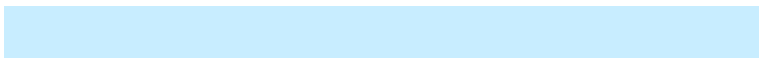
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1098, 83.5412, 49.5444



63.1843, 83.5412, 94.7383



80.7112, 83.5412, 150.7241



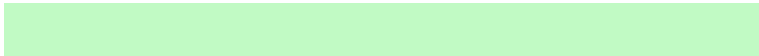
98.1846, 83.5412, 87.2877

Rectangle

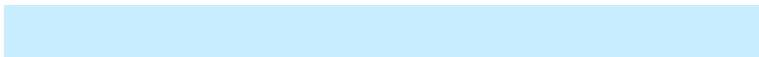
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1098, 83.5412, 49.5444



66.0172, 83.5412, 64.6918



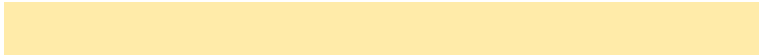
80.7112, 83.5412, 150.7241



94.4868, 83.5412, 123.5264

Sweetspot

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



78.1118, 83.5450, 49.5461



89.3506, 94.7407, 88.0728



64.6211, 53.3139, 55.0678



18.9633, 20.1258, 18.2729



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

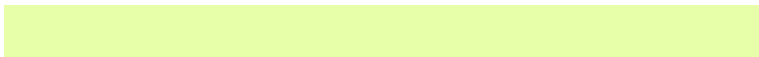
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1118, 83.5450, 49.5461



75.6458, 80.8720, 41.7599



76.2222, 91.5517, 51.1912



19.1822, 20.3325, 19.0579



31.9493, 31.9098, 4.4753



3.1935, 3.2723, 0.4633

Inverse Universe

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



52.6094, 52.0487, 101.8813



46.8526, 45.3237, 100.8867



53.9602, 46.7948, 100.7960



17.3457, 18.0630, 22.8222



10.3496, 5.6087, 49.9717



1.0866, 0.7039, 4.8919

Previews

White Background



This preview shows how the XYZ color 78.1098, 83.5412, 49.5444 looks on a white background.

Color Contrast Check

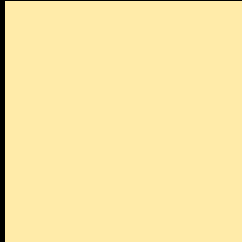
Large Text (above 18pt) WCAG AA × Fail

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 78.1098, 83.5412, 49.5444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

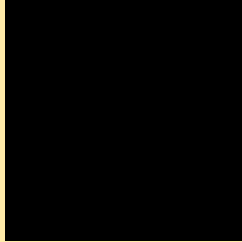
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1098, 83.5412, 49.5444

Background



This preview shows how black text looks on a background with the XYZ color 78.1098, 83.5412, 49.5444.



This preview shows how white text looks on a background with the XYZ color 78.1098, 83.5412,

49.5444.

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

78.1098, 83.5412, 49.5444

Protanopia

77.7428, 83.3521, 49.5272

Deuteranopia

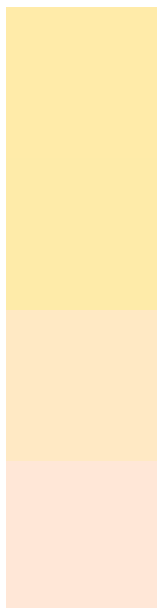
81.9803, 83.7267, 74.1274



Tritanopia

85.1365, 83.6495, 94.8779

Trichromacy



Original Color

78.1098, 83.5412, 49.5444

Protanomaly

77.7428, 83.3521, 49.5272

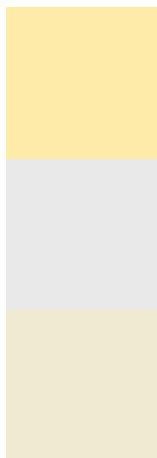
Deuteranomaly

80.3427, 83.5233, 64.1117

Tritanomaly

82.0817, 83.3181, 76.0458

Monochromacy



Original Color

78.1098, 83.5412, 49.5444

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3313, 82.1996, 72.7631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1098, 83.5412, 49.5444 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(255, 235, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 169)  
}
```

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(255, 235, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 169) }
```

Border

The CSS property to change the border of an element to XYZ 78.1098, 83.5412, 49.5444 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(255, 235, 169) }
```


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

```
.border{ border-color:rgb(255, 235, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1098, 83.5412, 49.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 169) }
```

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

```
.background{ background-color: rgb(255,  
235, 169) }
```

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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