

Converting Colors

XYZ(88.9763, 88.8447, 49.8458)

Have a look what the booklet for
XYZ(88.9763, 88.8447, 49.8458)
contains.

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Color

**XYZ(77.8243, 82.9702,
49.4492)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAA9
RGB	255, 234, 169
RGB Percent	100%, 92%, 66%
CMY	0.0000, 0.0823, 0.3372
CMYK	0.00, 0.08, 0.34, 0.00
HSL	45°, 100%, 83%
HSV	45°, 34%, 100%
XYZ	77.8243, 82.9702, 49.4492
YIQ	232.8690, 33.3810, -15.7630

Conversions

Conversions Part 2

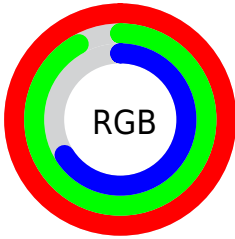
Format	Color
RYB	197, 255, 169
Decimal	16771753
CIELab	93.00, -2.07, 34.20
CIELCh	93, 34.264, 93.459
Yxy	82.9702, 0.3702, 0.3946
Android (android.graphics.Color)	4294961833 (0xFFFFEAA9)
YUV	232.8690, -31.4874, 19.4089
Hunter-Lab	91.0880, -6.8961, 31.5746

Details

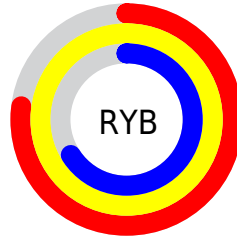
The XYZ color **77.8243, 82.9702, 49.4492** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.8252, 52.4804, 101.9533**, and the grayscale version is **77.5671, 81.6067, 88.8696**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **42.0987, 44.9721, 22.9846** is the 20% darker color. If you saturate the color by 10%, you get **73.9194, 78.6250, 37.4667**, and if you desaturate by 10%, it is **82.2624, 87.6342, 63.9146**.

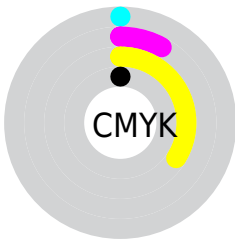
Distribution



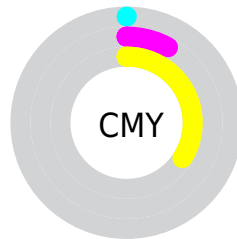
- Red (100%)
- Green (92%)
- Blue (66%)



- Red (77%)
- 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 77.8243, 82.9702, 49.4492 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 77.8243, 82.9702, 49.4492 by changing the saturation by 10% instead.

77.8243, 82.9702,
49.4492

77.8243, 82.9702,
49.4492

476.4189,
504.8872, 401.1812

58.2319, 62.1656,
34.6078

129.2691,
137.5337, 90.7461

42.2391, 45.1665,
23.0798

161.8522,
172.0614, 118.0388

29.4805, 31.5886,
14.4466

199.4963,
211.9322, 150.3189

19.5907, 21.0475,
8.2896

242.5668,
257.5306, 188.0051

12.2044, 13.1587,
4.1904

291.4289,
309.2409, 231.5159

6.9562, 7.5379,
1.7304

346.4480,

3.4808, 3.8007,

367.4475, 281.2699

0.3814

407.9896,
432.5348, 337.6854

■ 1.4128, 1.5627,
0.0000

■ 0.2653, 0.3323,
0.0000

■ 77.8243, 82.9702,
49.4492

■ 77.8243, 82.9702,
49.4492

■ 73.9194, 78.6250,
37.4667

■ 82.2624, 87.6342,
63.9146

■ 70.5138, 74.5753,
27.8182

■ 87.2533, 92.6170,
80.9898

■ 67.5787, 70.8113,
20.3469

■ 92.8230, 97.9329,
100.7994

■ 65.0798, 67.3184,
14.8742

95.0500, 100.0000,
108.9000

■ 62.9770, 64.0795,
11.1934

■ 61.2219, 61.0740,
9.0520

■ 60.2547, 59.2895,
8.2682

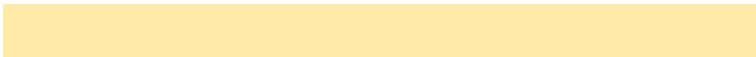
Harmonies

Analogous

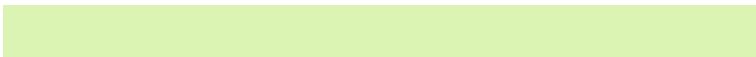
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8242, 82.9702, 52.9531



77.8243, 82.9702, 49.4492



69.7255, 82.9702, 55.0687

Triad

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



77.8243, 82.9702, 49.4492



65.3244, 82.9702, 120.4140



95.3249, 82.9702, 114.2677

Complementary

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



77.8243, 82.9702, 49.4492



52.8252, 52.4804, 101.9533

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.



88.7609, 82.9702, 138.1532



77.8243, 82.9702, 49.4492



71.3996, 82.9702, 142.1483

Square

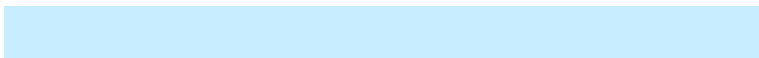
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8243, 82.9702, 49.4492



62.8618, 82.9702, 93.3546



79.9062, 82.9702, 149.1842



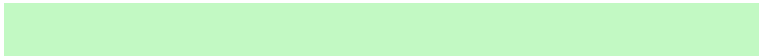
97.3670, 82.9702, 87.3919

Rectangle

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



77.8243, 82.9702, 49.4492



65.7950, 82.9702, 63.9981



79.9062, 82.9702, 149.1842



93.5508, 82.9702, 123.0701

Sweetspot

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



77.8263, 82.9739, 49.4509



89.2590, 94.5575, 88.0423



64.7776, 53.3765, 55.8917



18.9411, 20.0813, 18.2655



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

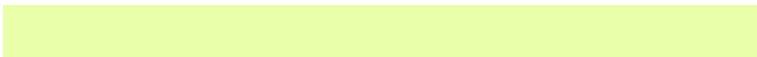
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8263, 82.9739, 49.4509



75.3144, 80.2092, 41.6494



76.6896, 91.7927, 51.2130



19.1635, 20.2952, 19.0517



31.6075, 31.2261, 4.3614



3.1628, 3.2109, 0.4531

Inverse Universe

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



52.8252, 52.4804, 101.9533



47.0874, 45.7933, 100.9650



53.5991, 46.6086, 100.7791



17.3631, 18.0978, 22.8280



10.4356, 5.7807, 50.0004



1.0972, 0.7251, 4.8954

Previews

White Background



This preview shows how the XYZ color 77.8243, 82.9702, 49.4492 looks on a white background.

Color Contrast Check

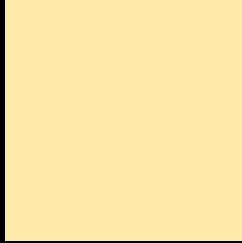
Large Text (above 18pt) WCAG AA × Fail

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 77.8243, 82.9702, 49.4492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

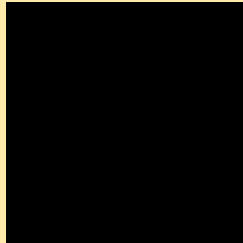
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8243, 82.9702, 49.4492

Background



This preview shows how black text looks on a background with the XYZ color 77.8243, 82.9702, 49.4492.



This preview shows how white text looks on a background with the XYZ color 77.8243, 82.9702,

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

77.8243, 82.9702, 49.4492

Protanopia

77.3778, 83.1639, 49.5101

Deuteranopia

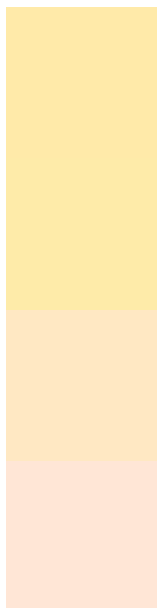
81.4488, 83.0650, 72.7131



Tritanopia

84.7116, 83.0381, 94.0012

Trichromacy



Original Color

77.8243, 82.9702, 49.4492

Protanomaly

77.7428, 83.3521, 49.5272

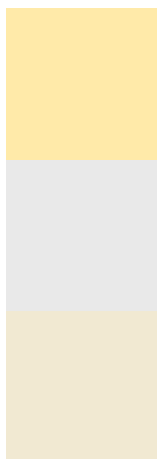
Deuteranomaly

79.9469, 82.9134, 63.4200

Tritanomaly

81.6744, 82.7087, 75.2780

Monochromacy



Original Color

77.8243, 82.9702, 49.4492

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.0474, 81.6317, 72.6684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8243, 82.9702, 49.4492 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, 234, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 169) }
```

Border

The CSS property to change the border of an element to XYZ 77.8243, 82.9702, 49.4492 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, 234, 169) }
```


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

```
.border{ border-color:rgb(255, 234, 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, 234, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8243, 82.9702, 49.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 169) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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