

Converting Colors

XYZ(98.6800, 93.3862, 50.9297)

Have a look what the booklet for
XYZ(98.6800, 93.3862, 50.9297)
contains.

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Color

**XYZ(77.6346, 82.4401,
49.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9AA
RGB	255, 233, 170
RGB Percent	100%, 91%, 67%
CMY	0.0000, 0.0862, 0.3333
CMYK	0.00, 0.09, 0.33, 0.00
HSL	44°, 100%, 83%
HSV	44°, 33%, 100%
XYZ	77.6346, 82.4401, 49.8510
YIQ	232.3960, 33.3350, -14.9290

Conversions

Conversions Part 2

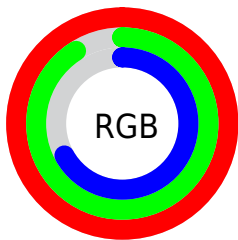
Format	Color
R_{YB}	200, 255, 170
Decimal	16771498
CIE _{Lab}	92.77, -1.44, 33.39
CIE _{LCh}	93, 33.417, 92.478
Yxy	82.4401, 0.3698, 0.3927
Android (android.graphics.Color)	4294961578 (0xFFFFE9AA)
YUV	232.3960, -30.7612, 19.8237
Hunter-Lab	90.7965, -6.2694, 31.0049

Details

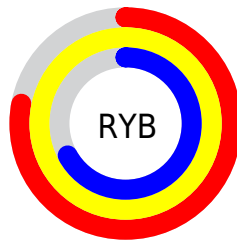
The XYZ color **77.6346, 82.4401, 49.8510** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.4768, 53.4637, 102.1087**, and the grayscale version is **77.2061, 81.2269, 88.4561**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **41.9590, 44.5990, 23.2266** is the 20% darker color. If you saturate the color by 10%, you get **73.6200, 77.9040, 37.7441**, and if you desaturate by 10%, it is **82.1911, 87.3106, 64.4487**.

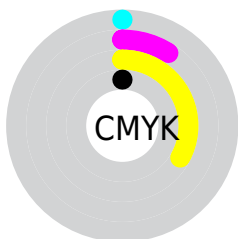
Distribution



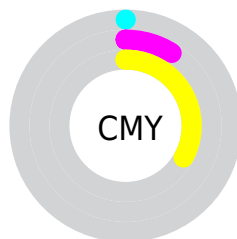
- Red (100%)
- Green (91%)
- Blue (67%)



- Red (78%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6346, 82.4401, 49.8510 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 77.6346, 82.4401, 49.8510 by changing the saturation by 10% instead.


 77.6346, 82.4401,
49.8510

 77.6346, 82.4401,
49.8510


475.7838,
503.1186, 402.8013

 58.0756, 61.7284,
34.9247


 129.0030,
136.7910, 91.3481

 42.1129, 44.8132,
23.3218


161.5431,
171.1990, 118.7560

 29.3812, 31.3104,
14.6237

199.1409,
210.9411, 151.1614

 19.5151, 20.8353,
8.4121

242.1619,
256.4018, 188.9830

 12.1493, 13.0037,
4.2682

290.9713,
307.9656, 232.6392

 6.9184, 7.4311,
1.7736

345.9345,

 3.4570, 3.7331,

366.0167, 282.5487

0.4105

407.4169,
430.9396, 339.1299

■ 1.3998, 1.5254,
0.0000

■ 0.2561, 0.3065,
0.0000

■ 77.6346, 82.4401,
49.8510

■ 77.6346, 82.4401,
49.8510

■ 73.6200, 77.9040,
37.7441

■ 82.1911, 87.3106,
64.4487

■ 70.1133, 73.6787,
27.9795

■ 87.3090, 92.5156,
81.6638

■ 67.0857, 69.7544,
20.4011

■ 93.0143, 98.0698,
101.6205

■ 64.5028, 66.1160,
14.8312

95.0500, 100.0000,
108.9000

■ 62.3248, 62.7464,
11.0643

■ 60.5035, 59.6251,
8.8503

■ 59.4414, 57.6628,
7.9971

Harmonies

Analogous

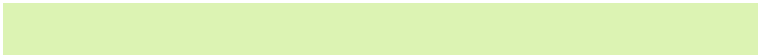
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3569, 82.4401, 53.5788



77.6346, 82.4401, 49.8510



69.6997, 82.4401, 55.0632

Triad

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



77.6346, 82.4401, 49.8510



65.0552, 82.4401, 118.0745



94.1749, 82.4401, 113.8125

Complementary

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



77.6346, 82.4401, 49.8510



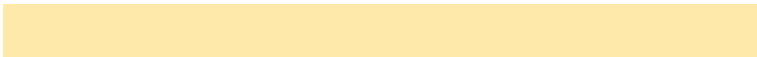
53.4768, 53.4637, 102.1087

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.



87.7027, 82.4401, 136.6334



77.6346, 82.4401, 49.8510



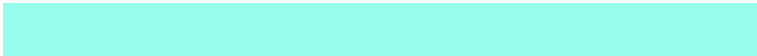
70.8668, 82.4401, 139.3974

Square

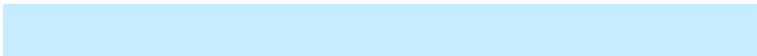
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6346, 82.4401, 49.8510



62.7812, 82.4401, 91.8541



79.0835, 82.4401, 146.7447



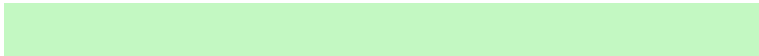
96.3166, 82.4401, 87.7044

Rectangle

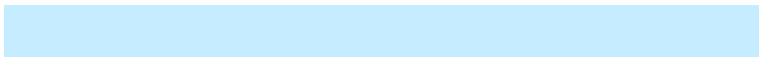
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6346, 82.4401, 49.8510



65.8051, 82.4401, 63.5943



79.0835, 82.4401, 146.7447



92.4110, 82.4401, 122.2760

Sweetspot

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



77.6367, 82.4439, 49.8527



89.1439, 94.3272, 88.0039



65.2038, 53.8458, 57.2150



18.9131, 20.0254, 18.2561



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

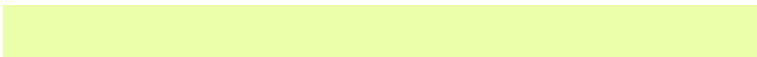
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6367, 82.4439, 49.8527



74.9005, 79.3813, 41.5114



77.3321, 92.1130, 51.7351



19.1401, 20.2483, 19.0439



31.1866, 30.3844, 4.2211



3.1248, 3.1351, 0.4404

Inverse Universe

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



53.4768, 53.4637, 102.1087



47.3858, 46.3902, 101.0645



53.6192, 46.8962, 100.8336



17.3851, 18.1417, 22.8354



10.5503, 6.0102, 50.0386



1.1110, 0.7528, 4.9000

Previews

White Background



This preview shows how the XYZ color 77.6346, 82.4401, 49.8510 looks on a white background.

Color Contrast Check

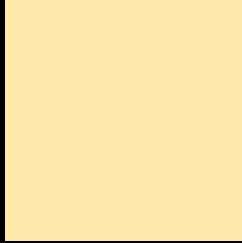
Large Text (above 18pt) WCAG AA × Fail

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 77.6346, 82.4401, 49.8510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

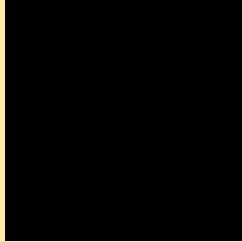
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6346, 82.4401, 49.8510

Background



This preview shows how black text looks on a background with the XYZ color 77.6346, 82.4401, 49.8510.



This preview shows how white text looks on a background with the XYZ color 77.6346, 82.4401,

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

77.6346, 82.4401, 49.8510

Protanopia

76.8234, 82.4434, 49.8943

Deuteranopia

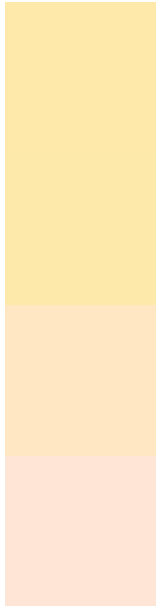
81.0454, 82.4571, 71.9659



Tritanopia

84.2891, 82.4302, 93.1295

Trichromacy



Original Color

77.6346, 82.4401, 49.8510

Protanomaly

77.1865, 82.6306, 49.9113

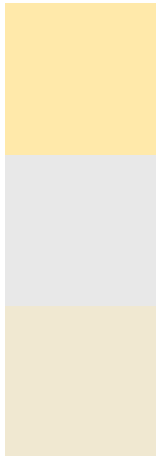
Deuteranomaly

79.6662, 82.3520, 63.3264

Tritanomaly

81.3969, 82.1537, 75.1855

Monochromacy



Original Color

77.6346, 82.4401, 49.8510

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3004, 80.8419, 71.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6346, 82.4401, 49.8510 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, 233, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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(255, 233, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 170) }
```

Border

The CSS property to change the border of an element to XYZ 77.6346, 82.4401, 49.8510 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, 233, 170) }
```


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

```
.border{ border-color:rgb(255, 233, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6346, 82.4401, 49.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 170) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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