

Converting Colors

XYZ(112.4433, 100.0000,
57.2385)

Have a look what the booklet for
XYZ(112.4433, 100.0000, 57.2385)
contains.

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Color

**XYZ(78.4371, 82.3094,
55.4693)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8B5
RGB	255, 232, 181
RGB Percent	100%, 91%, 71%
CMY	0.0000, 0.0902, 0.2902
CMYK	0.00, 0.09, 0.29, 0.00
HSL	41°, 100%, 85%
HSV	41°, 29%, 100%
XYZ	78.4371, 82.3094, 55.4693
YIQ	233.0630, 30.0790, -10.9850

Conversions

Conversions Part 2

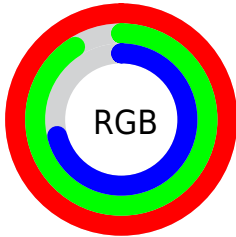
Format	Color
R _Y B	214, 255, 181
Decimal	16771253
CIE Lab	92.71, 0.41, 27.70
CIE LCh	93, 27.703, 89.156
Yxy	82.3094, 0.3628, 0.3807
Android (android.graphics.Color)	4294961333 (0xFFFFE8B5)
YUV	233.0630, -25.6671, 19.2387
Hunter-Lab	90.7245, -4.4434, 27.2571

Details

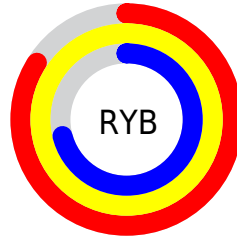
The XYZ color **78.4371, 82.3094, 55.4693** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.6984, 60.2277, 103.1391**, and the grayscale version is **77.6726, 81.7176, 88.9905**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **42.4476, 44.4795, 26.7702** is the 20% darker color. If you saturate the color by 10%, you get **73.8765, 76.9992, 42.2005**, and if you desaturate by 10%, it is **83.5812, 88.0197, 71.2971**.

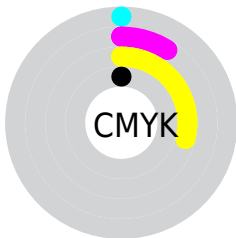
Distribution



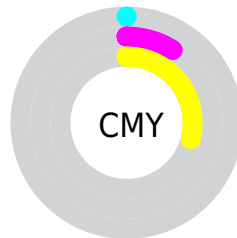
- Red (100%)
- Green (91%)
- Blue (71%)



- Red (84%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (9%)
- Yellow (29%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4371, 82.3094, 55.4693 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 78.4371, 82.3094, 55.4693 by changing the saturation by 10% instead.


 78.4371, 82.3094,
55.4693

 78.4371, 82.3094,
55.4693


478.4671,
502.6820, 425.0204

 58.7371, 61.6206,
39.3764


 130.1282,
136.6078, 99.7062

 42.6471, 44.7262,
26.7426


162.8501,
170.9862, 128.6874

 29.8016, 31.2418,
17.1493


200.6433,
210.6966, 162.8018

 19.8354, 20.7831,
10.1779

243.8733,
256.1233, 202.4679

 12.3830, 12.9655,
5.4099

292.9052,
307.6509, 248.1043

 7.0791, 7.4048,
2.4268

348.1047,

 3.5584, 3.7165,

365.6635, 300.1295

0.8010

409.8368,
430.5458, 358.9620

■ 1.4555, 1.5163,
0.0000

■ 0.2952, 0.3002,
0.0000

■ 78.4371, 82.3094,
55.4693

■ 78.4371, 82.3094,
55.4693

■ 73.8765, 76.9992,
42.2005

■ 83.5812, 88.0197,
71.2971

■ 69.8660, 72.0650,
31.3474

■ 89.3282, 94.1312,
89.8065

■ 66.3776, 67.4963,
22.7604

95.0500, 100.0000,
108.9000

■ 63.3779, 63.2776,
16.2709

■ 60.8291, 59.3915,
11.6867

■ 58.6867, 55.8180,
8.7796

■ 56.8852, 52.5285,
7.2127

■ 56.7189, 52.2178,
7.0896

Harmonies

Analogous

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



85.5645, 82.3094, 59.6488



78.4371, 82.3094, 55.4693



71.6653, 82.3094, 59.2039

Triad

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



78.4371, 82.3094, 55.4693



66.7299, 82.3094, 110.4092



90.7608, 82.3094, 111.5779

Complementary

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



78.4371, 82.3094, 55.4693



58.6984, 60.2277, 103.1391

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.



85.1894, 82.3094, 128.9969



78.4371, 82.3094, 55.4693



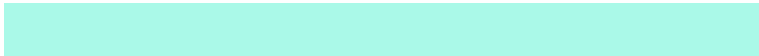
71.3320, 82.3094, 128.2524

Square

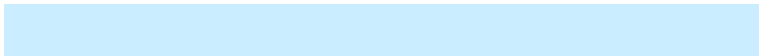
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4371, 82.3094, 55.4693



65.1624, 82.3094, 89.0371



78.0285, 82.3094, 135.5172



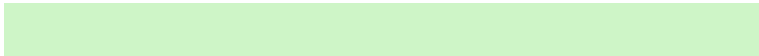
92.9431, 82.3094, 90.2073

Rectangle

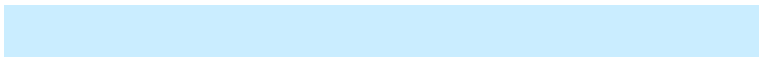
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4371, 82.3094, 55.4693



68.1982, 82.3094, 66.0630



78.0285, 82.3094, 135.5172



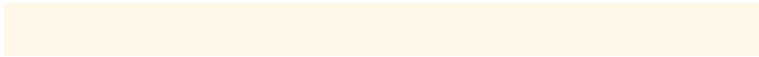
89.2060, 82.3094, 118.2033

Sweetspot

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



78.4391, 82.3131, 55.4710



89.3396, 94.1431, 89.8439



68.7156, 58.6891, 65.1069



18.9351, 19.9547, 18.6170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

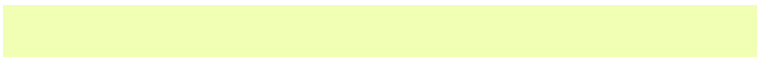
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4391, 82.3131, 55.4710



75.6422, 79.0884, 47.2351



80.5246, 93.6335, 57.5461



19.0571, 20.0824, 19.0162



29.7760, 27.5632, 3.7509



2.9966, 2.8786, 0.3977

Inverse Universe

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



58.6984, 60.2277, 103.1391



52.9004, 53.6538, 102.1758



56.9686, 51.8133, 101.6061



17.4634, 18.2985, 22.8615



11.0176, 6.9447, 50.1944



1.1651, 0.8609, 4.9180

Previews

White Background



This preview shows how the XYZ color 78.4371, 82.3094, 55.4693 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 78.4371, 82.3094, 55.4693 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 78.4371, 82.3094, 55.4693

Background



This preview shows how black text looks on a background with the XYZ color 78.4371, 82.3094, 55.4693.



This preview shows how white text looks on a background with the XYZ color 78.4371, 82.3094,

55.4693.

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

78.4371, 82.3094, 55.4693

Protanopia

77.2907, 82.5470, 56.1155

Deuteranopia

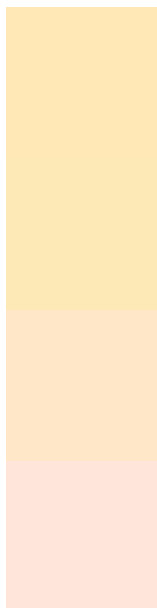
81.1697, 82.5068, 72.6201



Tritanopia

84.2891, 82.4302, 93.1295

Trichromacy



Original Color

78.4371, 82.3094, 55.4693

Protanomaly

77.7273, 82.3507, 56.0546

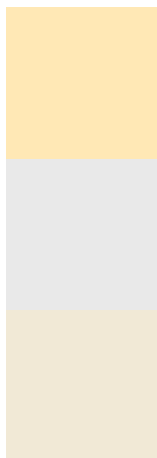
Deuteranomaly

80.1247, 82.5353, 65.7407

Tritanomaly

81.9142, 82.3606, 77.9095

Monochromacy



Original Color

78.4371, 82.3094, 55.4693

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5521, 81.8336, 75.3264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4371, 82.3094, 55.4693 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, 232, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 181)  
}
```

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, 232, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 181) }
```

Border

The CSS property to change the border of an element to XYZ 78.4371, 82.3094, 55.4693 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, 232, 181) }
```


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

```
.border{ border-color:rgb(255, 232, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4371, 82.3094, 55.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 181) }
```

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

```
.background{ background-color: rgb(255,  
232, 181) }
```

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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