

Converting Colors

XYZ(81.2522, 84.8727, 52.6377)

Have a look what the booklet for
XYZ(81.2522, 84.8727, 52.6377)
contains.

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Color

**XYZ(78.4007, 83.2008,
52.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAAF
RGB	255, 234, 175
RGB Percent	100%, 92%, 69%
CMY	0.0000, 0.0823, 0.3137
CMYK	0.00, 0.08, 0.31, 0.00
HSL	44°, 100%, 84%
HSV	44°, 31%, 100%
XYZ	78.4007, 83.2008, 52.4846
YIQ	233.5530, 31.4550, -13.8970

Conversions

Conversions Part 2

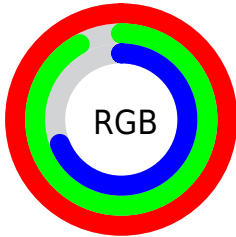
Format	Color
R_{YB}	203, 255, 175
Decimal	16771759
CIE Lab	93.10, -1.35, 31.29
CIE LCh	93, 31.322, 92.471
Yxy	83.2008, 0.3662, 0.3886
Android (android.graphics.Color)	4294961839 (0xFFFFEAAF)
YUV	233.5530, -28.8666, 18.8090
Hunter-Lab	91.2145, -6.2009, 29.7348

Details

The XYZ color **78.4007, 83.2008, 52.4846** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.4686, 55.8121, 102.4570**, and the grayscale version is **78.0651, 82.1306, 89.4402**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **42.4592, 45.1162, 24.8828** is the 20% darker color. If you saturate the color by 10%, you get **74.2602, 78.5564, 39.8934**, and if you desaturate by 10%, it is **83.0902, 88.1858, 67.5940**.

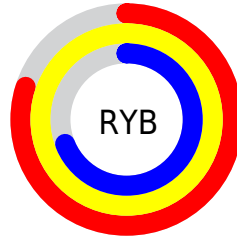
Distribution



Red (100%)

Green (92%)

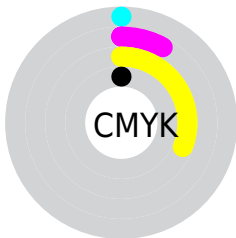
Blue (69%)



Red (80%)

Yellow (100%)

Blue (69%)

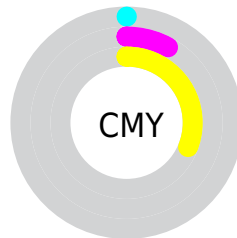


Cyan (0%)

Magenta (8%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4007, 83.2008, 52.4846 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 78.4007, 83.2008, 52.4846 by changing the saturation by 10% instead.


 78.4007, 83.2008,
52.4846

 78.4007, 83.2008,
52.4846


478.3456,
505.6555, 413.3147

 58.7071, 62.3558,
37.0066


 130.0772,
137.8567, 95.2794

 42.6229, 45.3203,
24.9168


162.7909,
172.4363, 123.4332

 29.7826, 31.7098,
15.7966


200.5752,
212.3630, 156.6494

 19.8209, 21.1399,
9.2275

243.7957,
258.0211, 195.3465

 12.3724, 13.2263,
4.7911

292.8176,
309.7950, 239.9430

 7.0718, 7.5846,
2.0686

348.0063,

 3.5538, 3.8303,

368.0691, 290.8575

0.5970

409.7272,
433.2278, 348.5086

■ 1.4529, 1.5791,
0.0000

■ 0.2935, 0.3434,
0.0000

■ 78.4007, 83.2008,
52.4846

■ 78.4007, 83.2008,
52.4846

■ 74.2602, 78.5564,
39.8934

■ 83.0902, 88.1858,
67.5940

■ 70.6352, 74.2292,
29.6743

■ 88.3480, 93.5115,
85.3461

■ 67.4975, 70.2095,
21.6742

■ 94.1997, 99.1925,
105.8635

■ 64.8135, 66.4826,
15.7201

■ 95.0500, 100.0000,
108.9000

■ 62.5445, 63.0318,
11.6126

■ 60.6444, 59.8371,
9.1126

■ 59.2406, 57.2612,
7.9302

Harmonies

Analogous

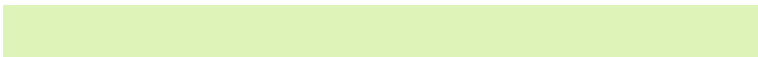
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6103, 83.2008, 56.0961



78.4007, 83.2008, 52.4846



70.8965, 83.2008, 57.5252

Triad

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



78.4007, 83.2008, 52.4846



66.4841, 83.2008, 117.1228



93.9357, 83.2008, 113.1587

Complementary

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



78.4007, 83.2008, 52.4846



55.4686, 55.8121, 102.4570

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.



87.8698, 83.2008, 134.3844



78.4007, 83.2008, 52.4846



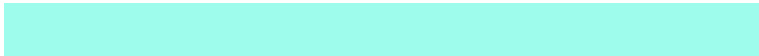
71.9991, 83.2008, 136.9376

Square

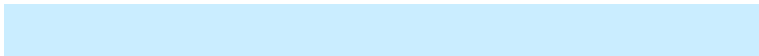
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4007, 83.2008, 52.4846



64.3207, 83.2008, 92.5562



79.7629, 83.2008, 143.7405



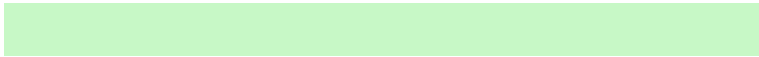
95.9400, 83.2008, 88.6548

Rectangle

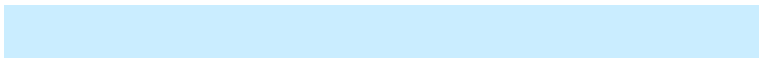
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4007, 83.2008, 52.4846



67.1992, 83.2008, 65.7264



79.7629, 83.2008, 143.7405



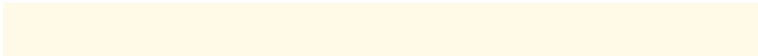
92.2842, 83.2008, 121.0489

Sweetspot

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



78.4027, 83.2046, 52.4863



89.6813, 94.8264, 89.9578



66.5723, 55.9215, 59.7098



19.0196, 20.1236, 18.6452



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

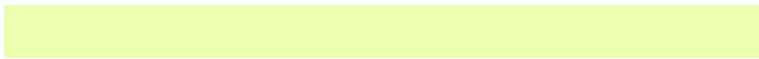
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4027, 83.2046, 52.4863



75.5977, 80.0872, 43.8668



78.2011, 92.5053, 54.2922



19.1342, 20.2365, 19.0419



31.0827, 30.1766, 4.1864



3.1155, 3.1163, 0.4373

Inverse Universe

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



55.4686, 55.8121, 102.4570



49.2131, 48.5849, 101.3918



55.5435, 49.3062, 101.1973



17.3906, 18.1528, 22.8372



10.5802, 6.0700, 50.0486



1.1146, 0.7599, 4.9012

Previews

White Background



This preview shows how the XYZ color 78.4007, 83.2008, 52.4846 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 78.4007, 83.2008, 52.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

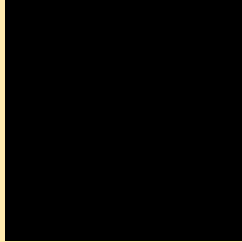
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4007, 83.2008, 52.4846

Background



This preview shows how black text looks on a background with the XYZ color 78.4007, 83.2008, 52.4846.

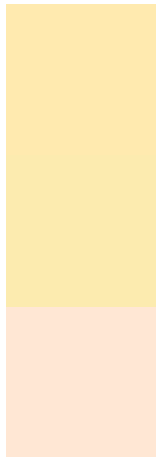


This preview shows how white text looks on a background with the XYZ color 78.4007, 83.2008,

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

78.4007, 83.2008, 52.4846

Protanopia

77.5911, 83.2073, 52.5286

Deuteranopia

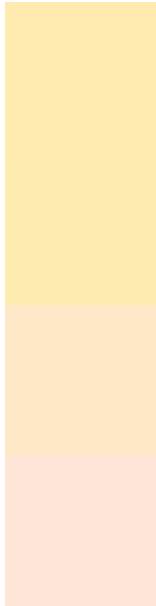
81.6996, 83.1653, 74.0338



Tritanopia

84.7116, 83.0381, 94.0012

Trichromacy



Original Color

78.4007, 83.2008, 52.4846

Protanomaly

77.9542, 83.3945, 52.5456

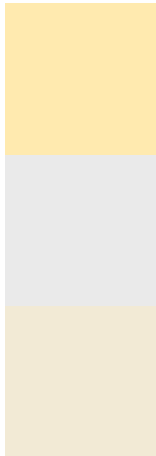
Deuteranomaly

80.4054, 83.0967, 65.8343

Tritanomaly

81.9315, 82.8115, 76.6317

Monochromacy



Original Color

78.4007, 83.2008, 52.4846

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0510, 82.5270, 74.7664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4007, 83.2008, 52.4846 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 175) }
```

Border

The CSS property to change the border of an element to XYZ 78.4007, 83.2008, 52.4846 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, 175) }
```


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

```
.border{ border-color:rgb(255, 234, 175) }
```

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, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4007, 83.2008, 52.4846 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
234, 175) }
```

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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