

Converting Colors

XYZ(84.1374, 87.6298, 51.1357)

Have a look what the booklet for
XYZ(84.1374, 87.6298, 51.1357)
contains.

XYZ(78.8749, 84.7686, 50.7329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.8749, 84.7686,
50.7329)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDAB
RGB	255, 237, 171
RGB Percent	100%, 93%, 67%
CMY	0.0000, 0.0706, 0.3294
CMYK	0.00, 0.07, 0.33, 0.00
HSL	47°, 100%, 84%
HSV	47°, 33%, 100%
XYZ	78.8749, 84.7686, 50.7329
YIQ	234.8580, 31.9140, -16.7100

Conversions

Conversions Part 2

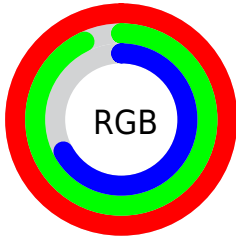
Format	Color
RYB	194, 255, 171
Decimal	16772523
CIELab	93.78, -3.34, 34.23
CIELCh	94, 34.394, 95.576
Yxy	84.7686, 0.3679, 0.3954
Android (android.graphics.Color)	4294962603 (0xFFFFEADAB)
YUV	234.8580, -31.4820, 17.6645
Hunter-Lab	92.0699, -8.2039, 31.7786

Details

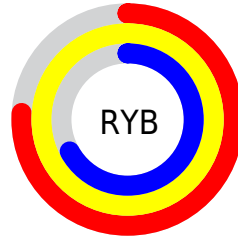
The XYZ color **78.8749, 84.7686, 50.7329** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.0418, 52.2716, 101.9016**, and the grayscale version is **79.0743, 83.1923, 90.5964**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **42.8198, 46.2261, 23.8052** is the 20% darker color. If you saturate the color by 10%, you get **75.1180, 80.7766, 38.6239**, and if you desaturate by 10%, it is **83.1530, 89.0522, 65.3309**.

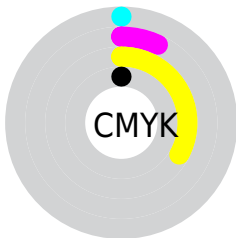
Distribution



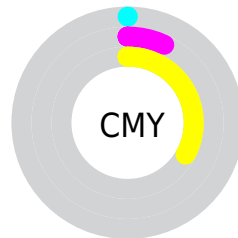
- Red (100%)
- Green (93%)
- Blue (67%)



- Red (76%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8749, 84.7686, 50.7329 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 78.8749, 84.7686, 50.7329 by changing the saturation by 10% instead.


 78.8749, 84.7686,
50.7329

 78.8749, 84.7686,
50.7329


479.9275,
510.8621, 406.3420

 59.0982, 63.6502,
35.6208


 130.7416,
140.0498, 92.6673

 42.9389, 46.3674,
23.8541


163.5623,
174.9814, 120.3267

 30.0315, 32.5359,
15.0142


201.4618,
215.2863, 153.0056

 20.0107, 21.7711,
8.6827

244.8053,
261.3487, 191.1226

 12.5111, 13.6888,
4.4408

293.9583,
313.5531, 235.0962

 7.1674, 7.9046,
1.8701

349.2861,

 3.6143, 4.0339,

372.2838, 285.3449

0.4736

411.1541,
437.9254, 342.2874

■ 1.4863, 1.6926,
0.0000

■ 0.3165, 0.4188,
0.0000

■ 78.8749, 84.7686,
50.7329

■ 78.8749, 84.7686,
50.7329

■ 75.1180, 80.7766,
38.6239

■ 83.1530, 89.0522,
65.3309

■ 71.8488, 77.0531,
28.8559

■ 87.9714, 93.6267,
82.5440

■ 69.0389, 73.5890,
21.2736

■ 93.3559, 98.5060,
102.4958

■ 66.6545, 70.3702,
15.7003

95.0500, 100.0000,
108.9000

■ 64.6564, 67.3803,
11.9320

■ 62.9971, 64.5995,
9.7210

■ 61.9812, 62.7425,
8.8437

Harmonies

Analogous

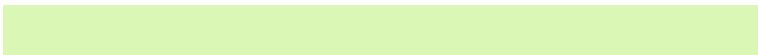
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0546, 84.7686, 53.6484



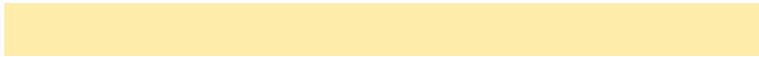
78.8749, 84.7686, 50.7329



70.7752, 84.7686, 57.1262

Triad

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



78.8749, 84.7686, 50.7329



67.1091, 84.7686, 124.7742



97.6480, 84.7686, 114.7046

Complementary

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



78.8749, 84.7686, 50.7329



53.0418, 52.2716, 101.9016

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.



91.2293, 84.7686, 139.5669



78.8749, 84.7686, 50.7329



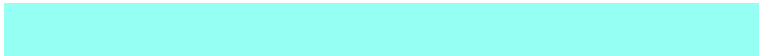
73.5220, 84.7686, 146.1075

Square

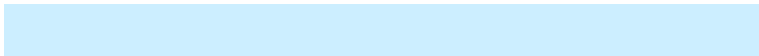
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8749, 84.7686, 50.7329



64.3193, 84.7686, 97.2746



82.2892, 84.7686, 151.9765



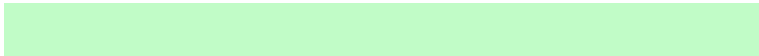
99.3504, 84.7686, 87.4953

Rectangle

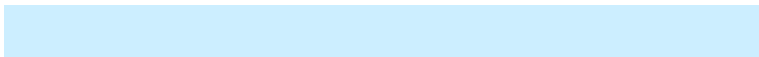
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8749, 84.7686, 50.7329



66.9298, 84.7686, 66.6774



82.2892, 84.7686, 151.9765



95.9479, 84.7686, 123.7632

Sweetspot

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



78.8769, 84.7724, 50.7347



89.4949, 95.0292, 88.1209



65.0106, 54.0696, 55.2691



18.9984, 20.1960, 18.2846



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

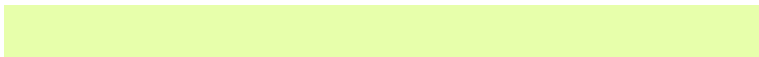
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8769, 84.7724, 50.7347



76.1712, 81.9227, 41.9350



76.1307, 91.4827, 52.1746



19.2116, 20.3913, 19.0677



32.5001, 33.0114, 4.6589



3.2427, 3.3709, 0.4797

Inverse Universe

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



53.0418, 52.2716, 101.9016



46.4877, 44.5939, 100.7651



55.0678, 47.9224, 100.9553



17.3183, 18.0083, 22.8131



10.2234, 5.3563, 49.9296



1.0708, 0.6722, 4.8866

Previews

White Background



This preview shows how the XYZ color 78.8749, 84.7686, 50.7329 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 78.8749, 84.7686, 50.7329 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 78.8749, 84.7686, 50.7329

Background



This preview shows how black text looks on a background with the XYZ color 78.8749, 84.7686, 50.7329.



This preview shows how white text looks on a background with the XYZ color 78.8749, 84.7686,

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

78.8749, 84.7686, 50.7329

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

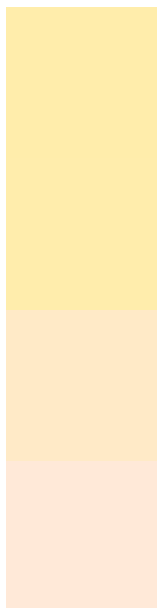
82.6447, 84.4441, 76.2335



Tritanopia

85.8429, 84.8226, 95.8524

Trichromacy



Original Color

78.8749, 84.7686, 50.7329

Protanomaly

78.9706, 84.8069, 51.2369

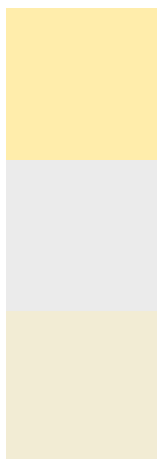
Deuteranomaly

80.9716, 84.2292, 66.0230

Tritanomaly

82.7736, 84.4957, 76.9124

Monochromacy



Original Color

78.8749, 84.7686, 50.7329

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.4971, 83.6216, 74.2907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8749, 84.7686, 50.7329 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, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 171)  
}
```

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, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 171) }
```

Border

The CSS property to change the border of an element to XYZ 78.8749, 84.7686, 50.7329 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, 237, 171) }
```


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

```
.border{ border-color:rgb(255, 237, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8749, 84.7686, 50.7329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 171) }
```

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

```
.background{ background-color: rgb(255,  
237, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor