

Converting Colors

XYZ(81.8727, 86.4199, 71.9428)

Have a look what the booklet for
XYZ(81.8727, 86.4199, 71.9428)
contains.

XYZ(81.7434, 86.2124, 72.0068)	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(81.7434, 86.2124,
72.0068)**

Conversions

Conversions Part 1

Format	Color
Hex	FBEED0
RGB	251, 238, 208
RGB Percent	98%, 93%, 82%
CMY	0.0157, 0.0666, 0.1843
CMYK	0.00, 0.05, 0.17, 0.02
HSL	42°, 84%, 90%
HSV	42°, 17%, 98%
XYZ	81.7434, 86.2124, 72.0068
YIQ	238.4670, 17.3780, -6.5740

Conversions

Conversions Part 2

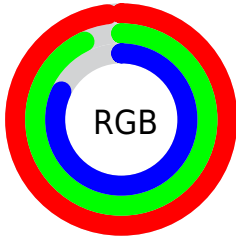
Format	Color
RYP	227, 251, 208
Decimal	16510672
CIELab	94.40, -0.39, 16.10
CIElCh	94, 16.107, 91.371
Yxy	86.2124, 0.3407, 0.3593
Android (android.graphics.Color)	4294700752 (0xFFFFBEED0)
YUV	238.4670, -15.0202, 10.9914
Hunter-Lab	92.8506, -5.3416, 19.0153

Details

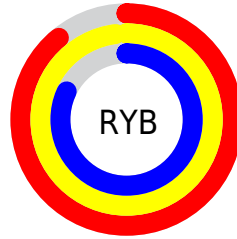
The XYZ color **81.7434, 86.2124, 72.0068** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.2812, 72.0863, 101.5300**, and the grayscale version is **81.7354, 85.9920, 93.6452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8088, 47.2583, 37.3319** is the 20% darker color. If you saturate the color by 10%, you get **76.7350, 80.7523, 56.2885**, and if you desaturate by 10%, it is **87.3382, 92.0618, 90.3336**.

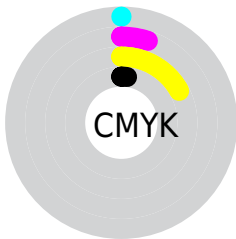
Distribution



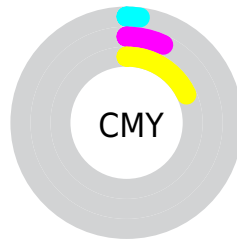
- Red (98%)
- Green (93%)
- Blue (82%)



- Red (89%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (17%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7434, 86.2124, 72.0068 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 81.7434, 86.2124, 72.0068 by changing the saturation by 10% instead.


 81.7434, 86.2124,
72.0068

 81.7434, 86.2124,
72.0068


489.4365,
515.6313, 486.5434

 61.4674, 64.8436,
52.6774


134.7518,
142.0658, 123.7740

 44.8565, 47.3343,
37.1593


168.2150,
177.3193, 157.0489

 31.5452, 33.3000,
25.0341


206.8045,
217.9698, 195.8093

 21.1682, 22.3564,
15.8832

250.8859,
264.4017, 240.4738

 13.3602, 14.1190,
9.2881

300.8245,
316.9994, 291.4609

 7.7557, 8.2035,
4.8302

356.9855,

 3.9895, 4.2254,

376.1473, 349.1892

2.0910

419.7344,
442.2298, 414.0772

■ 1.6962, 1.8004,
0.6104

■ 0.4539, 0.4874,
0.0000

■ 81.7434, 86.2124,
72.0068

■ 81.7434, 86.2124,
72.0068

■ 76.7350, 80.7523,
56.2885

■ 87.3382, 92.0618,
90.3336

■ 72.2822, 75.6586,
43.0522

■ 93.0152, 98.0918,
108.6389

■ 68.3611, 70.9229,
32.1688

■ 93.5940, 99.2494,
108.8319

■ 64.9437, 66.5319,
23.4955

■ 61.9987, 62.4714,
16.8736

■ 59.4907, 58.7252,
12.1232

■ 57.3785, 55.2748,
9.0330

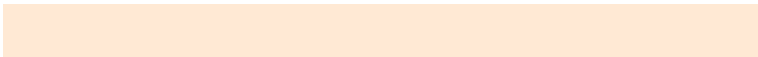
■ 55.6094, 52.0971,
7.3316

■ 55.1425, 51.2264,
6.9814

Harmonies

Analogous

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



85.9939, 86.2124, 74.4699



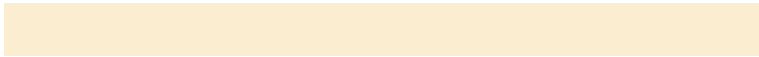
81.7434, 86.2124, 72.0068



77.6868, 86.2124, 74.9596

Triad

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



81.7434, 86.2124, 72.0068



75.0415, 86.2124, 106.8299



89.4646, 86.2124, 105.7572

Complementary

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



81.7434, 86.2124, 72.0068



69.2812, 72.0863, 101.5300

Split Complementary

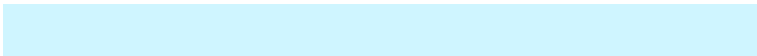
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3505, 86.2124, 115.7215



81.7434, 86.2124, 72.0068



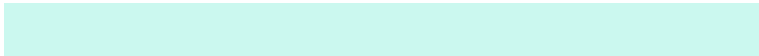
78.0200, 86.2124, 116.3782

Square

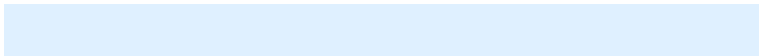
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7434, 86.2124, 72.0068



73.9026, 86.2124, 94.4419



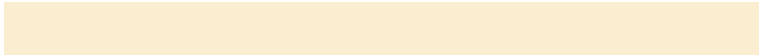
82.1415, 86.2124, 119.7648



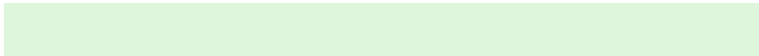
90.5450, 86.2124, 93.3017

Rectangle

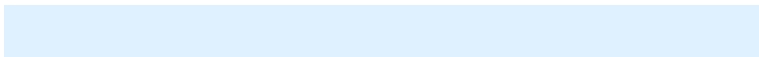
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7434, 86.2124, 72.0068



75.6127, 86.2124, 79.7667



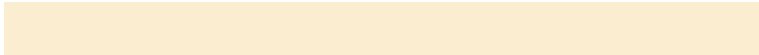
82.1415, 86.2124, 119.7648



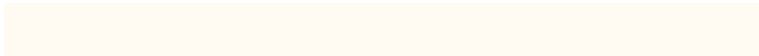
88.6156, 86.2124, 109.5462

Sweetspot

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



81.7457, 86.2162, 72.0086



91.8477, 96.7720, 98.0394



75.4740, 70.8755, 78.5417



19.5656, 20.6178, 20.6700



0.0000, 0.0000, 0.0000



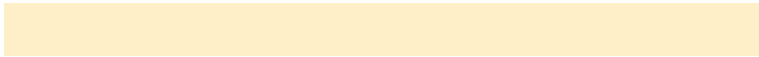
20.3446, 21.4041, 23.3091

Same Dimension

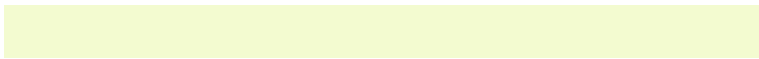
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7457, 86.2162, 72.0086



82.6485, 87.1240, 67.9969



82.8856, 92.6247, 73.1855



18.2587, 19.2533, 18.2163



29.1190, 27.1946, 3.7143



2.7900, 2.7048, 0.3750

Inverse Universe

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



69.2812, 72.0863, 101.5300



67.2349, 69.6528, 104.5084



68.2540, 66.6592, 100.5366



16.7107, 17.4982, 21.8820



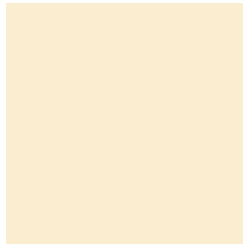
10.6172, 6.5900, 48.6860



1.0721, 0.7879, 4.5388

Previews

White Background



This preview shows how the XYZ color 81.7434, 86.2124, 72.0068 looks on a white background.

Color Contrast Check

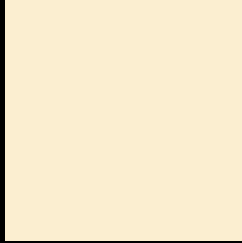
Large Text (above 18pt) WCAG AA × Fail

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 81.7434, 86.2124, 72.0068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

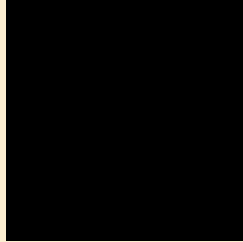
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7434, 86.2124, 72.0068

Background



This preview shows how black text looks on a background with the XYZ color 81.7434, 86.2124, 72.0068.



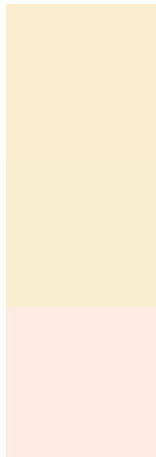
This preview shows how white text looks on a background with the XYZ color 81.7434, 86.2124,

72.0068.

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

81.7434, 86.2124, 72.0068

Protanopia

81.3840, 86.0271, 71.9900

Deuteranopia

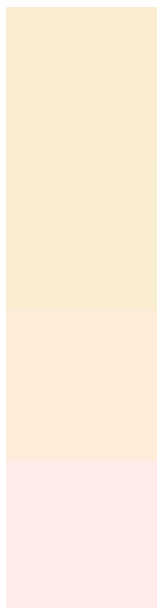
84.6758, 86.1676, 84.1206



Tritanopia

87.4778, 86.3774, 101.6845

Trichromacy



Original Color

81.7434, 86.2124, 72.0068

Protanomaly

81.3840, 86.0271, 71.9900

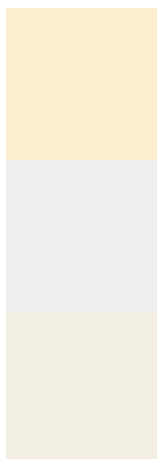
Deuteranomaly

83.6547, 86.1762, 79.2424

Tritanomaly

85.4327, 86.4280, 90.0214

Monochromacy



Original Color

81.7434, 86.2124, 72.0068

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.4018, 85.7498, 84.9341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7434, 86.2124, 72.0068 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(251, 238, 208)` looks like.

```
.text, #text, p{  
    color:rgb(251, 238, 208)  
}
```

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(251, 238, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 238, 208) }
```

Border

The CSS property to change the border of an element to XYZ 81.7434, 86.2124, 72.0068 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(251, 238, 208) }
```


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

```
.border{ border-color:rgb(251, 238, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 238, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 238, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 238, 208);  
box-shadow:4px 4px 4px 4px rgb(251, 238,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7434, 86.2124, 72.0068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 238, 208) }
```

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

```
.background{ background-color: rgb(251,  
238, 208) }
```

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