

Converting Colors

XYZ(81.3357, 82.8962, 72.4985)

Have a look what the booklet for
XYZ(81.3357, 82.8962, 72.4985)
contains.

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Color

**XYZ(81.4488, 83.0650,
72.7131)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7D2
RGB	255, 231, 210
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0941, 0.1765
CMYK	0.00, 0.09, 0.18, 0.00
HSL	28°, 100%, 91%
HSV	28°, 18%, 100%
XYZ	81.4488, 83.0650, 72.7131
YIQ	235.7820, 21.0450, -1.4430

Conversions

Conversions Part 2

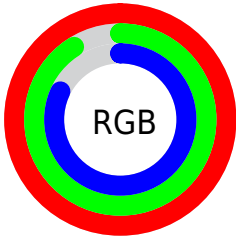
Format	Color
R _Y B	255, 249, 210
Decimal	16771026
CIE Lab	93.04, 4.91, 13.19
CIE LCh	93, 14.072, 69.597
Yxy	83.0650, 0.3433, 0.3502
Android (android.graphics.Color)	4294961106 (0xFFFFE7D2)
YUV	235.7820, -12.7105, 16.8542
Hunter-Lab	91.1400, 0.0245, 16.4954

Details

The XYZ color **81.4488, 83.0650, 72.7131** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0504, 79.7650, 106.1010**, and the grayscale version is **79.6467, 83.7945, 91.2522**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6194, 45.0660, 37.7994** is the 20% darker color. If you saturate the color by 10%, you get **74.8629, 74.5787, 56.0731**, and if you desaturate by 10%, it is **88.8405, 92.3522, 92.1212**.

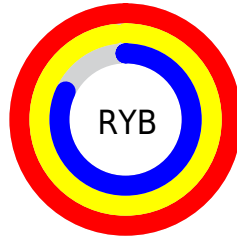
Distribution



Red (100%)

Green (91%)

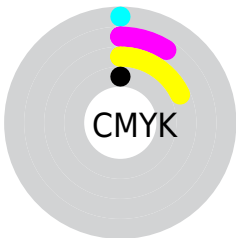
Blue (82%)



Red (100%)

Yellow (98%)

Blue (82%)

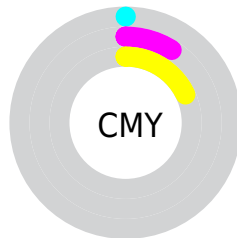


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.4488, 83.0650, 72.7131 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 81.4488, 83.0650, 72.7131 by changing the saturation by 10% instead.


 81.4488, 83.0650,
72.7131

 81.4488, 83.0650,
72.7131


488.4646,
505.2031, 489.0640

 61.2239, 62.2438,
53.2510


134.3406,
137.6665, 124.7870

 44.6591, 45.2297,
37.6141


167.7382,
172.2156, 158.2358

 31.3891, 31.6384,
25.3838


206.2574,
212.1093, 197.1840

 21.0486, 21.0855,
16.1416

250.2635,
257.7323, 242.0501

 13.2722, 13.1865,
9.4690

300.1219,
309.4687, 293.2526

 7.6945, 7.5571,
4.9474

356.1980,

 3.9503, 3.8129,

367.7031, 351.2100

2.1582

418.8571,
432.8197, 416.3410

■ 1.6740, 1.5694,
0.6501

■ 0.4399, 0.3369,
0.0000

■ 81.4488, 83.0650,
72.7131

■ 81.4488, 83.0650,
72.7131

■ 74.8629, 74.5787,
56.0731

■ 88.8405, 92.3522,
92.1212

■ 69.0464, 66.8598,
42.0678

95.0500, 100.0000,
108.9000

■ 63.9685, 59.8876,
30.5604

■ 59.5937, 53.6365,
21.3998

■ 55.8831, 48.0788,
14.4179

■ 52.7933, 43.1849,
9.4241

■ 50.2739, 38.9213,
6.1941

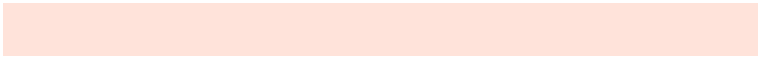
■ 48.2607, 35.2489,
4.4324

■ 47.8404, 34.4608,
4.1301

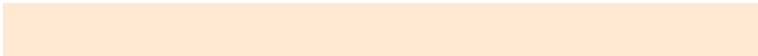
Harmonies

Analogous

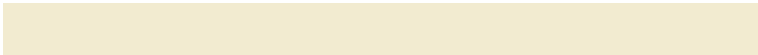
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5419, 83.0650, 78.1069



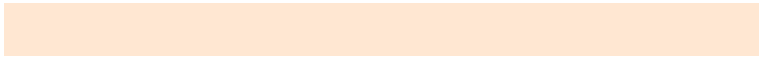
81.4488, 83.0650, 72.7131



77.7744, 83.0650, 71.8606

Triad

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



81.4488, 83.0650, 72.7131



72.1632, 83.0650, 93.8720



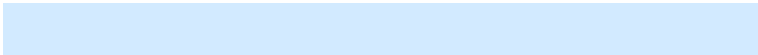
83.5574, 83.0650, 107.0123

Complementary

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



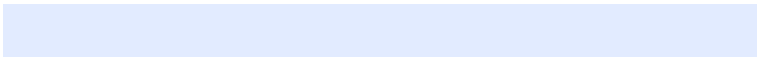
81.4488, 83.0650, 72.7131



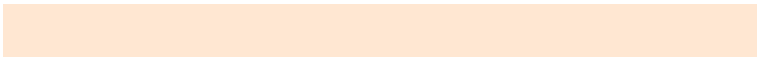
74.0504, 79.7650, 106.1010

Split Complementary

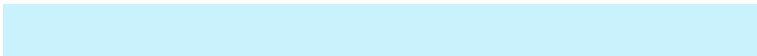
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1390, 83.0650, 111.9823



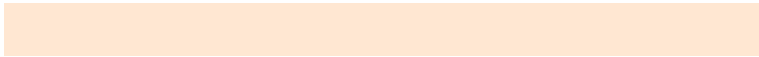
81.4488, 83.0650, 72.7131



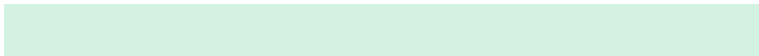
73.6118, 83.0650, 104.0156

Square

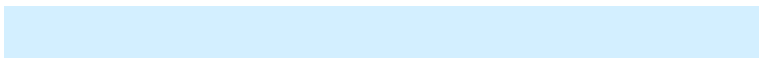
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4488, 83.0650, 72.7131



72.4892, 83.0650, 83.5468



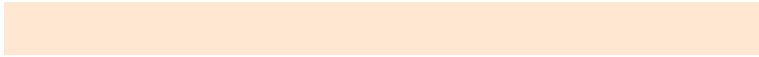
76.5044, 83.0650, 110.8449



85.7854, 83.0650, 97.7100

Rectangle

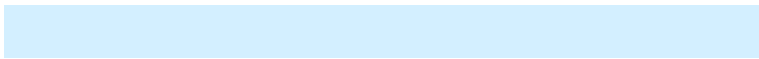
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4488, 83.0650, 72.7131



75.5000, 83.0650, 73.9092



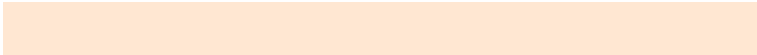
76.5044, 83.0650, 110.8449



82.5052, 83.0650, 109.2767

Sweetspot

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



81.4507, 83.0686, 72.7148



90.9340, 94.9446, 97.7348



79.1384, 73.2946, 87.8188



19.3434, 20.1735, 20.5960



0.0000, 0.0000, 0.0000



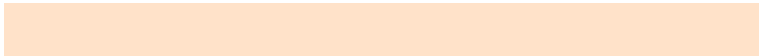
20.3446, 21.4041, 23.3091

Same Dimension

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



81.4507, 83.0686, 72.7148



79.1535, 80.1340, 66.8319



88.1564, 96.4799, 74.9501



18.7084, 19.3849, 18.9000



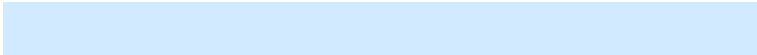
25.1439, 18.2990, 2.2068



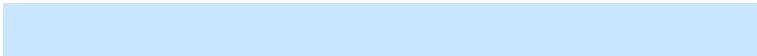
2.5563, 1.9979, 0.2509

Inverse Universe

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



74.0504, 79.7650, 106.1010



70.5564, 76.2956, 105.6156



68.0479, 67.7601, 104.1002



17.8051, 18.9817, 22.9754



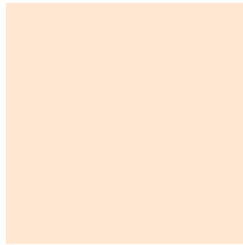
14.1807, 13.2709, 51.2487



1.4901, 1.5109, 5.0264

Previews

White Background



This preview shows how the XYZ color 81.4488, 83.0650, 72.7131 looks on a white background.

Color Contrast Check

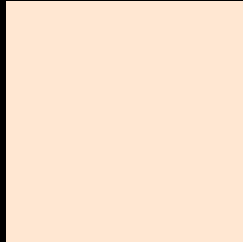
Large Text (above 18pt) WCAG AA × Fail

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 81.4488, 83.0650, 72.7131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

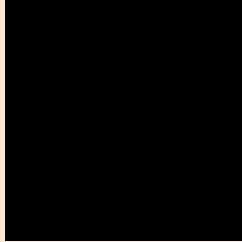
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.4488, 83.0650, 72.7131

Background



This preview shows how black text looks on a background with the XYZ color 81.4488, 83.0650, 72.7131.

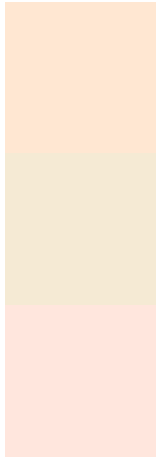


This preview shows how white text looks on a background with the XYZ color 81.4488, 83.0650,

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

81.4488, 83.0650, 72.7131

Protanopia

78.9627, 83.0116, 74.1484

Deuteranopia

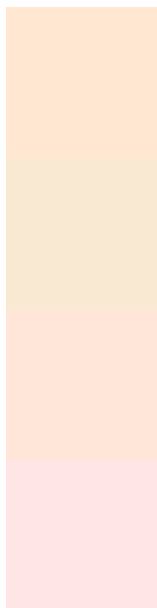
82.5880, 83.0741, 80.0887



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

81.4488, 83.0650, 72.7131

Protanomaly

79.9637, 83.1207, 73.4574

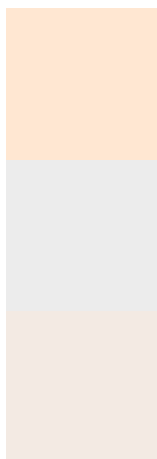
Deuteranomaly

82.0612, 82.8634, 77.3148

Tritanomaly

83.5422, 83.0118, 86.4826

Monochromacy



Original Color

81.4488, 83.0650, 72.7131

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.2501, 83.4464, 84.5502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4488, 83.0650, 72.7131 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, 231, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 210)  
}
```

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, 231, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 210) }
```

Border

The CSS property to change the border of an element to XYZ 81.4488, 83.0650, 72.7131 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, 231, 210) }
```


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

```
.border{ border-color:rgb(255, 231, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4488, 83.0650, 72.7131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 210) }
```

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

```
.background{ background-color: rgb(255,  
231, 210) }
```

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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