

Converting Colors

XYZ(80.8035, 81.8088, 71.5297)

Have a look what the booklet for
XYZ(80.8035, 81.8088, 71.5297)
contains.

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Color

**XYZ(80.7679, 81.9021,
71.8734)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5D1
RGB	255, 229, 209
RGB Percent	100%, 90%, 82%
CMY	0.0000, 0.1019, 0.1804
CMYK	0.00, 0.10, 0.18, 0.00
HSL	26°, 100%, 91%
HSV	26°, 18%, 100%
XYZ	80.7679, 81.9021, 71.8734
YIQ	234.4940, 21.9160, -0.7080

Conversions

Conversions Part 2

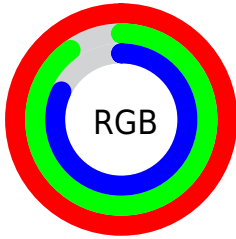
Format	Color
R _Y B	255, 244, 209
Decimal	16770513
CIE Lab	92.53, 5.78, 12.98
CIE LCh	93, 14.213, 65.993
Yxy	81.9021, 0.3444, 0.3492
Android (android.graphics.Color)	4294960593 (0xFFFFE5D1)
YUV	234.4940, -12.5685, 17.9838
Hunter-Lab	90.4998, 0.9304, 16.2627

Details

The XYZ color **80.7679, 81.9021, 71.8734** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.0520, 80.1896, 106.1829**, and the grayscale version is **78.6636, 82.7602, 90.1259**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3411, 44.6444, 37.2906** is the 20% darker color. If you saturate the color by 10%, you get **74.0373, 73.0953, 55.2807**, and if you desaturate by 10%, it is **88.3389, 91.5801, 91.2412**.

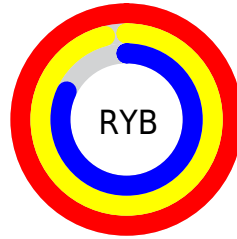
Distribution



Red (100%)

Green (90%)

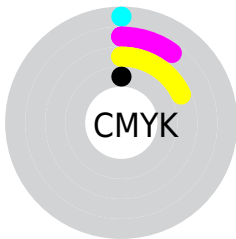
Blue (82%)



Red (100%)

Yellow (96%)

Blue (82%)

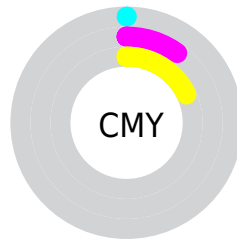


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7679, 81.9021, 71.8734 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 80.7679, 81.9021, 71.8734 by changing the saturation by 10% instead.


 80.7679, 81.9021,
71.8734

 80.7679, 81.9021,
71.8734


486.2142,
501.3202, 486.0665

 60.6611, 61.2848,
52.5691


133.3897,
136.0367, 123.5826

 44.2032, 44.4551,
37.0735


166.6354,
170.3228, 156.8245

 31.0289, 31.0284,
24.9682


204.9914,
209.9341, 195.5493

 20.7728, 20.6205,
15.8345

248.8231,
255.2547, 240.1756

 13.0695, 12.8469,
9.2541

298.4959,
306.6693, 291.1220

 7.5538, 7.3232,
4.8082

354.3751,

 3.8602, 3.6650,

364.5621, 348.8069

2.0784

416.8261,
429.3176, 413.6489

■ 1.6233, 1.4880,
0.6029

■ 0.4075, 0.2803,
0.0000

■ 80.7679, 81.9021,
71.8734

■ 80.7679, 81.9021,
71.8734

■ 74.0373, 73.0953,
55.2807

■ 88.3389, 91.5801,
91.2412

■ 68.1091, 65.1235,
41.3289

95.0500, 100.0000,
108.9000

■ 62.9511, 57.9632,
29.8804

■ 58.5261, 51.5858,
20.7828

■ 54.7936, 45.9607,
13.8670

■ 51.7083, 41.0544,
8.9406

■ 49.2177, 36.8301,
5.7770

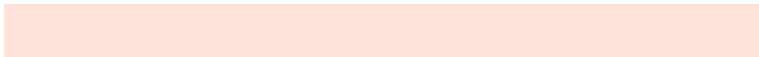
■ 47.2538, 33.2438,
4.0698

■ 46.9134, 32.6069,
3.8211

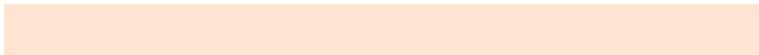
Harmonies

Analogous

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



83.7283, 81.9021, 77.7607



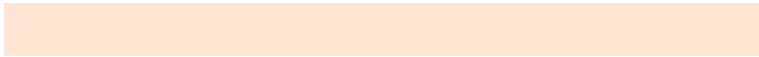
80.7679, 81.9021, 71.8734



77.1070, 81.9021, 70.4568

Triad

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



80.7679, 81.9021, 71.8734



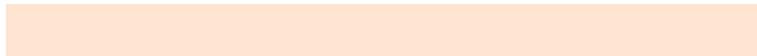
71.0002, 81.9021, 91.3160



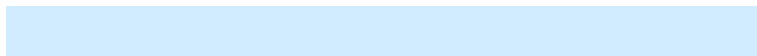
82.0901, 81.9021, 106.6490

Complementary

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



80.7679, 81.9021, 71.8734



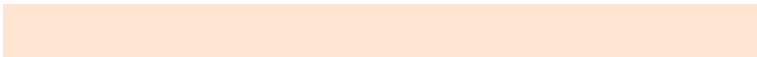
74.0520, 80.1896, 106.1829

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.



78.5887, 81.9021, 110.9512



80.7679, 81.9021, 71.8734



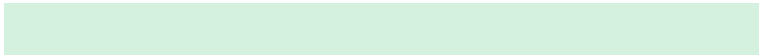
72.2449, 81.9021, 101.6603

Square

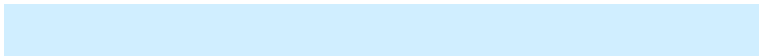
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7679, 81.9021, 71.8734



71.5423, 81.9021, 81.1633



74.9944, 81.9021, 109.0573



84.5084, 81.9021, 97.7025

Rectangle

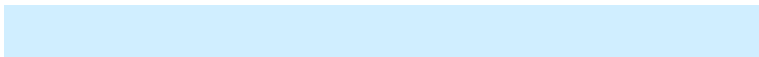
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7679, 81.9021, 71.8734



74.7771, 81.9021, 72.1316



74.9944, 81.9021, 109.0573



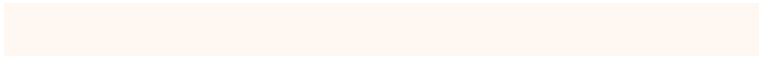
80.9966, 81.9021, 108.7171

Sweetspot

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



80.7699, 81.9057, 71.8751



90.8090, 94.6946, 97.6931



79.0461, 72.8639, 88.5463



19.3131, 20.1128, 20.5859



0.0000, 0.0000, 0.0000



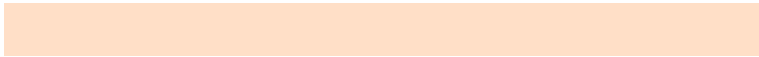
20.3446, 21.4041, 23.3091

Same Dimension

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



80.7699, 81.9057, 71.8751



78.0045, 78.3135, 64.9767



87.5384, 95.4426, 74.1313



18.6592, 19.2866, 18.8836



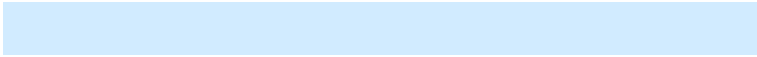
24.6554, 17.3220, 2.0440



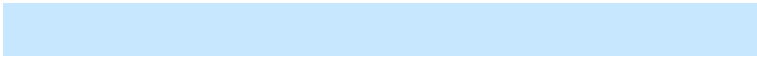
2.5069, 1.8991, 0.2344

Inverse Universe

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



74.0520, 80.1896, 106.1829



70.0414, 76.2778, 105.6393



67.9056, 67.8967, 104.1341



17.8549, 19.0813, 22.9920



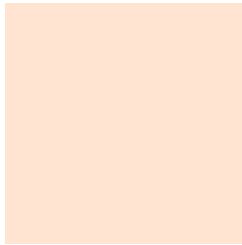
14.8021, 14.5137, 51.4559



1.5500, 1.6306, 5.0463

Previews

White Background



This preview shows how the XYZ color 80.7679, 81.9021, 71.8734 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 80.7679, 81.9021, 71.8734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

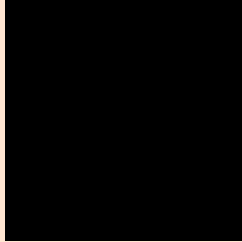
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7679, 81.9021, 71.8734

Background



This preview shows how black text looks on a background with the XYZ color 80.7679, 81.9021, 71.8734.



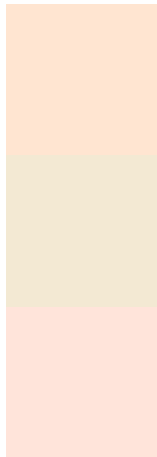
This preview shows how white text looks on a background with the XYZ color 80.7679, 81.9021,

71.8734.

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

80.7679, 81.9021, 71.8734

Protanopia

77.8589, 82.0357, 73.3589

Deuteranopia

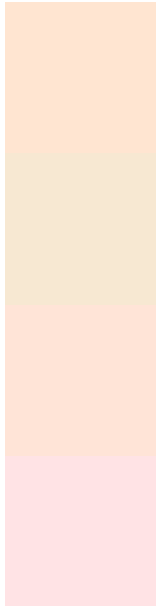
81.6383, 81.8088, 77.8175



Tritanopia

84.1645, 81.9440, 93.8189

Trichromacy



Original Color

80.7679, 81.9021, 71.8734

Protanomaly

78.8472, 82.1405, 72.6718

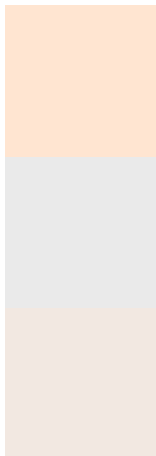
Deuteranomaly

81.2491, 81.6531, 75.7683

Tritanomaly

82.8519, 81.8553, 85.5616

Monochromacy



Original Color

80.7679, 81.9021, 71.8734

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0652, 82.0267, 82.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7679, 81.9021, 71.8734 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, 229, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 209)  
}
```

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, 229, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 209) }
```

Border

The CSS property to change the border of an element to XYZ 80.7679, 81.9021, 71.8734 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, 229, 209) }
```


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

```
.border{ border-color:rgb(255, 229, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7679, 81.9021, 71.8734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 209) }
```

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

```
.background{ background-color: rgb(255,  
229, 209) }
```

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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