

Converting Colors

XYZ(80.7998, 82.1631, 71.2758)

Have a look what the booklet for
XYZ(80.7998, 82.1631, 71.2758)
contains.

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Color

**XYZ(80.9220, 82.4077,
71.3157)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE6D0
RGB	255, 230, 208
RGB Percent	100%, 90%, 82%
CMY	0.0000, 0.0980, 0.1843
CMYK	0.00, 0.10, 0.18, 0.00
HSL	28°, 100%, 91%
HSV	28°, 18%, 100%
XYZ	80.9220, 82.4077, 71.3157
YIQ	234.9670, 21.9620, -1.5420

Conversions

Conversions Part 2

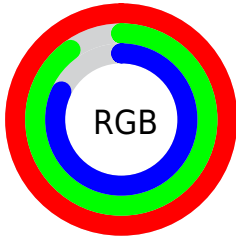
Format	Color
R _Y B	255, 249, 208
Decimal	16770768
CIE Lab	92.75, 5.12, 13.82
CIE LCh	93, 14.738, 69.661
Yxy	82.4077, 0.3449, 0.3512
Android (android.graphics.Color)	4294960848 (0xFFFFE6D0)
YUV	234.9670, -13.2947, 17.5689
Hunter-Lab	90.7787, 0.2559, 16.9669

Details

The XYZ color **80.9220, 82.4077, 71.3157** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.2005, 78.9054, 105.9799**, and the grayscale version is **79.0285, 83.1441, 90.5440**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4514, 44.9988, 36.9146** is the 20% darker color. If you saturate the color by 10%, you get **74.4056, 73.9984, 54.8898**, and if you desaturate by 10%, it is **88.2404, 91.6131, 90.4994**.

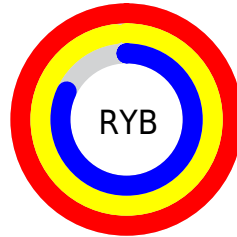
Distribution



Red (100%)

Green (90%)

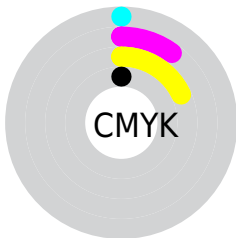
Blue (82%)



Red (100%)

Yellow (98%)

Blue (82%)

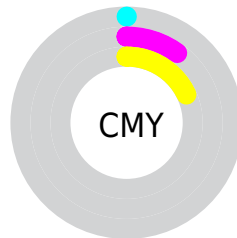


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9220, 82.4077, 71.3157 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 80.9220, 82.4077, 71.3157 by changing the saturation by 10% instead.


 80.9220, 82.4077,
71.3157

 80.9220, 82.4077,
71.3157


486.7240,
503.0104, 484.0696

 60.7884, 61.7016,
52.1165


133.6050,
136.7456, 122.7818

 44.3063, 44.7917,
36.7150


166.8851,
171.1462, 155.8857

 31.1104, 31.2934,
24.6929

205.2781,
210.8805, 194.4616

 20.8351, 20.8223,
15.6314

249.1493,
256.3328, 238.9280

 13.1153, 12.9942,
9.1122

298.8642,
307.8876, 289.7035

 7.5855, 7.4246,
4.7166

354.7880,

 3.8805, 3.7290,

365.9292, 347.2066

2.0262

417.2862,
430.8420, 411.8558

■ 1.6347, 1.5232,
0.5713

■ 0.4149, 0.3049,
0.0000

■ 80.9220, 82.4077,
71.3157

■ 80.9220, 82.4077,
71.3157

■ 74.4056, 73.9984,
54.8898

■ 88.2404, 91.6131,
90.4994

■ 68.6546, 66.3516,
41.0877

95.0500, 100.0000,
108.9000

■ 63.6381, 59.4468,
29.7717

■ 59.3204, 53.2582,
20.7895

■ 55.6624, 47.7583,
13.9715

■ 52.6203, 42.9172,
9.1251

■ 50.1431, 38.7014,
6.0225

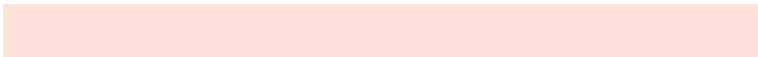
■ 48.1625, 35.0699,
4.3456

■ 47.8834, 34.5468,
4.1445

Harmonies

Analogous

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



84.1521, 82.4077, 76.8905



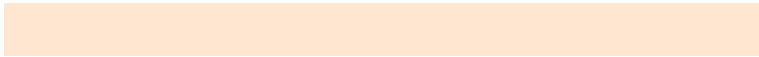
80.9220, 82.4077, 71.3157



77.0928, 82.4077, 70.4448

Triad

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



80.9220, 82.4077, 71.3157



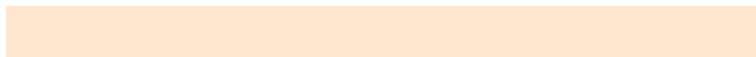
71.2666, 82.4077, 93.3255



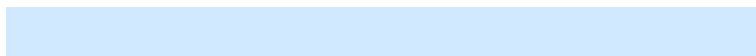
83.1364, 82.4077, 107.0213

Complementary

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



80.9220, 82.4077, 71.3157



73.2005, 78.9054, 105.9799

Split Complementary

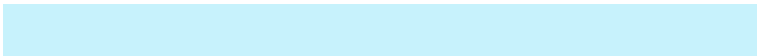
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5723, 82.4077, 112.2434



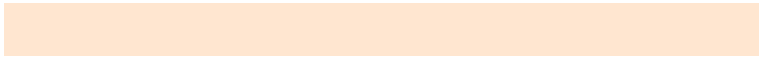
80.9220, 82.4077, 71.3157



72.7753, 82.4077, 103.9203

Square

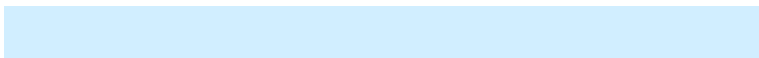
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9220, 82.4077, 71.3157



71.6012, 82.4077, 82.5731



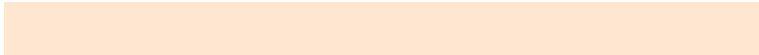
75.7862, 82.4077, 111.0644



85.4593, 82.4077, 97.2847

Rectangle

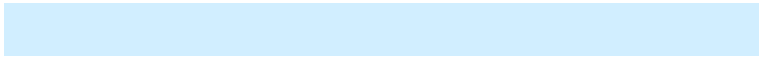
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9220, 82.4077, 71.3157



74.7268, 82.4077, 72.5698



75.7862, 82.4077, 111.0644



82.0391, 82.4077, 109.3976

Sweetspot

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



80.9239, 82.4112, 71.3174



90.1426, 93.9715, 95.5919



78.5139, 72.2596, 86.9507



19.1838, 19.9771, 20.1641



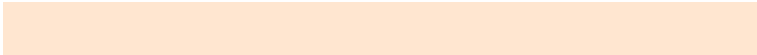
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.9239, 82.4112, 71.3174



78.5073, 79.3191, 65.1443



87.8876, 96.3387, 73.6387



18.7105, 19.3892, 18.9007



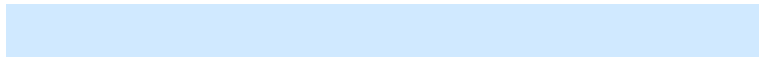
25.1665, 18.3443, 2.2144



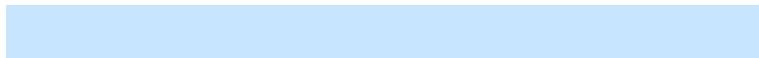
2.5586, 2.0025, 0.2517

Inverse Universe

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



73.2005, 78.9054, 105.9799



69.5224, 75.2400, 105.4663



67.0031, 66.5105, 103.9141



17.8029, 18.9773, 22.9746



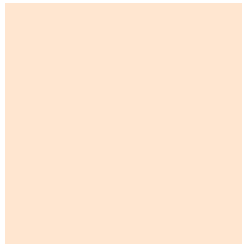
14.1541, 13.2179, 51.2399



1.4876, 1.5058, 5.0255

Previews

White Background



This preview shows how the XYZ color 80.9220, 82.4077, 71.3157 looks on a white background.

Color Contrast Check

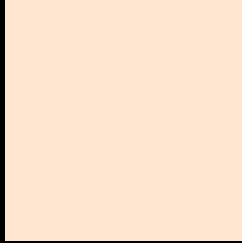
Large Text (above 18pt) WCAG AA × Fail

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 80.9220, 82.4077, 71.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

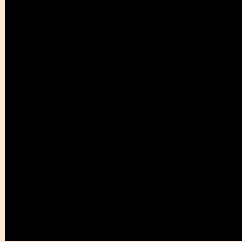
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9220, 82.4077, 71.3157

Background



This preview shows how black text looks on a background with the XYZ color 80.9220, 82.4077, 71.3157.

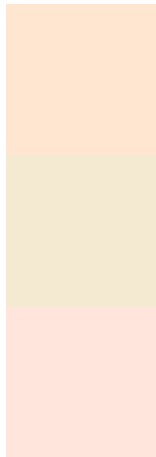


This preview shows how white text looks on a background with the XYZ color 80.9220, 82.4077,

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

80.9220, 82.4077, 71.3157

Protanopia

78.3639, 82.7319, 72.8114

Deuteranopia

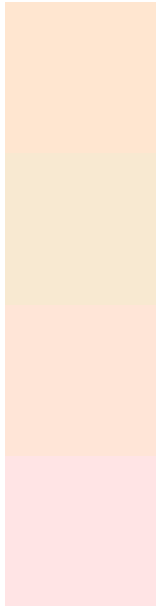
82.0455, 82.4131, 78.6009



Tritanopia

84.5863, 82.5490, 94.6945

Trichromacy



Original Color

80.9220, 82.4077, 71.3157

Protanomaly

79.3589, 82.8377, 72.1282

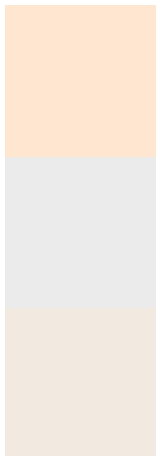
Deuteranomaly

81.5251, 82.2049, 75.8603

Tritanomaly

83.1263, 82.4039, 85.6531

Monochromacy



Original Color

80.9220, 82.4077, 71.3157

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.3475, 82.5913, 82.9938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9220, 82.4077, 71.3157 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, 230, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 208) }
```

Border

The CSS property to change the border of an element to XYZ 80.9220, 82.4077, 71.3157 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, 230, 208) }
```


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

```
.border{ border-color:rgb(255, 230, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9220, 82.4077, 71.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 208) }
```

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

```
.background{ background-color: rgb(255,  
230, 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](#).

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