

Converting Colors

XYZ(80.0250, 80.9752, 69.9025)

Have a look what the booklet for
XYZ(80.0250, 80.9752, 69.9025)
contains.

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Color

**XYZ(80.1240, 81.2030,
69.8433)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4CE
RGB	255, 228, 206
RGB Percent	100%, 89%, 81%
CMY	0.0000, 0.1059, 0.1921
CMYK	0.00, 0.11, 0.19, 0.00
HSL	27°, 100%, 90%
HSV	27°, 19%, 100%
XYZ	80.1240, 81.2030, 69.8433
YIQ	233.5650, 23.1540, -1.1180

Conversions

Conversions Part 2

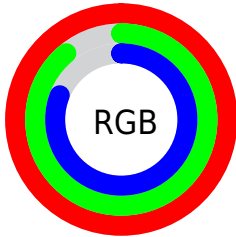
Format	Color
R _Y B	255, 246, 206
Decimal	16770254
CIE Lab	92.22, 5.86, 14.10
CIE LCh	92, 15.272, 67.455
Yxy	81.2030, 0.3466, 0.3513
Android (android.graphics.Color)	4294960334 (0xFFFFE4CE)
YUV	233.5650, -13.5895, 18.7985
Hunter-Lab	90.1127, 1.0166, 17.1252

Details

The XYZ color **80.1240, 81.2030, 69.8433** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.6418, 78.6174, 105.9538**, and the grayscale version is **77.9667, 82.0271, 89.3275**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8998, 44.1599, 35.9157** is the 20% darker color. If you saturate the color by 10%, you get **73.5653, 72.6476, 53.5936**, and if you desaturate by 10%, it is **87.5031, 90.5946, 88.8480**.

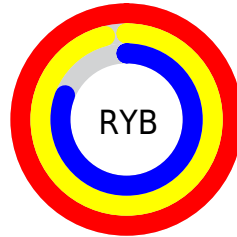
Distribution



Red (100%)

Green (89%)

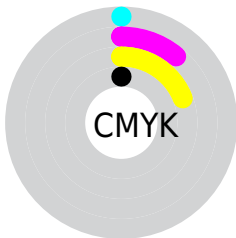
Blue (81%)



Red (100%)

Yellow (96%)

Blue (81%)

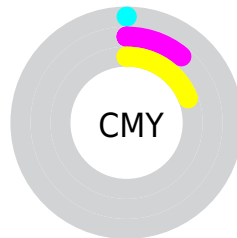


Cyan (0%)

Magenta (11%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1240, 81.2030, 69.8433 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 80.1240, 81.2030, 69.8433 by changing the saturation by 10% instead.

 80.1240, 81.2030,
69.8433

 80.1240, 81.2030,
69.8433


484.0808,
498.9778, 478.7739

 60.1292, 60.7088,
50.9228


132.4897,
135.0558, 120.6643

 43.7727, 43.9902,
35.7709


165.5913,
169.1831, 153.4018

 30.6890, 30.6628,
23.9690

203.7925,
208.6237, 191.5821

 20.5128, 20.3422,
15.0986

247.4587,
253.7618, 235.6237

 12.8788, 12.6441,
8.7412

296.9553,
304.9819, 285.9452

 7.4215, 7.1839,
4.4783

352.6476,

 3.7758, 3.5774,

362.6683, 342.9650

1.8912

414.9010,
427.2055, 407.1017

■ 1.5761, 1.4401,
0.4871

■ 0.3767, 0.2460,
0.0000

■ 80.1240, 81.2030,
69.8433

■ 80.1240, 81.2030,
69.8433

■ 73.5653, 72.6476,
53.5936

■ 87.5031, 90.5946,
88.8480

■ 67.7899, 64.8932,
39.9639

95.0500, 100.0000,
108.9000

■ 62.7656, 57.9177,
28.8153

■ 58.4557, 51.6933,
19.9940

■ 54.8199, 46.1907,
13.3288

■ 51.8130, 41.3777,
8.6242

■ 49.3822, 37.2185,
5.6488

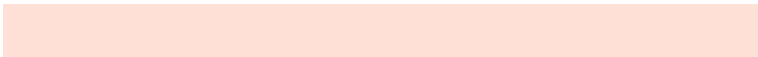
■ 47.4526, 33.6676,
4.0550

■ 47.3157, 33.4115,
3.9552

Harmonies

Analogous

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



83.3562, 81.2030, 75.8601



80.1240, 81.2030, 69.8433



76.2017, 81.2030, 68.5900

Triad

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



80.1240, 81.2030, 69.8433



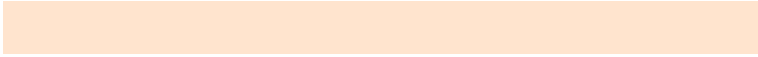
69.9061, 81.2030, 91.2631



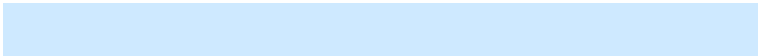
81.8833, 81.2030, 106.7938

Complementary

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



80.1240, 81.2030, 69.8433



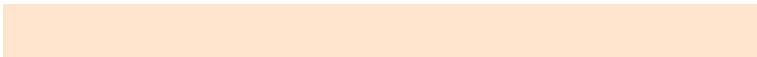
72.6418, 78.6174, 105.9538

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.



78.1687, 81.2030, 111.7364



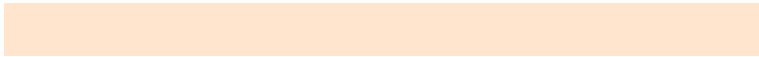
80.1240, 81.2030, 69.8433



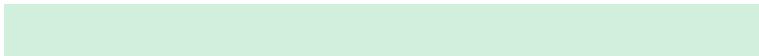
71.3186, 81.2030, 102.2867

Square

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



80.1240, 81.2030, 69.8433



70.3895, 81.2030, 80.3512



74.3110, 81.2030, 110.0205



84.3959, 81.2030, 97.0038

Rectangle

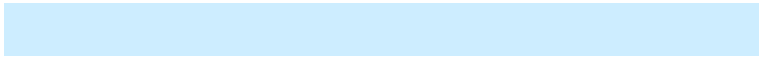
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1240, 81.2030, 69.8433



73.7386, 81.2030, 70.5171



74.3110, 81.2030, 110.0205



80.7290, 81.2030, 109.1136

Sweetspot

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



80.1259, 81.2065, 69.8450



90.0534, 93.7929, 95.5621



78.1296, 71.3306, 87.3172



19.1627, 19.9349, 20.1571



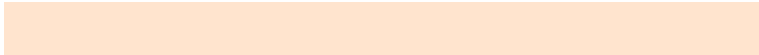
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.1259, 81.2065, 69.8450



77.5483, 77.8707, 63.3770



87.1075, 95.1698, 72.1722



18.6810, 19.3303, 18.8908



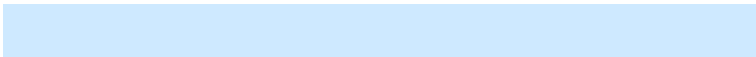
24.8676, 17.7464, 2.1147



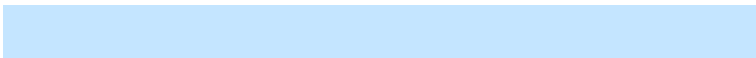
2.5285, 1.9423, 0.2416

Inverse Universe

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



72.6418, 78.6174, 105.9538



68.8318, 74.8541, 105.4282



66.3705, 66.0748, 103.8634



17.8327, 19.0370, 22.9846



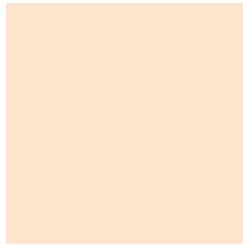
14.5201, 13.9498, 51.3619



1.5229, 1.5765, 5.0373

Previews

White Background



This preview shows how the XYZ color 80.1240, 81.2030, 69.8433 looks on a white background.

Color Contrast Check

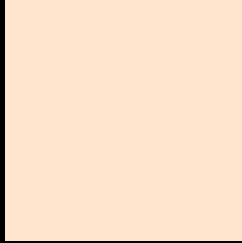
Large Text (above 18pt) WCAG AA × Fail

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 80.1240, 81.2030, 69.8433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

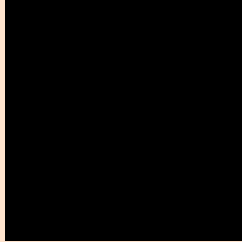
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1240, 81.2030, 69.8433

Background



This preview shows how black text looks on a background with the XYZ color 80.1240, 81.2030, 69.8433.



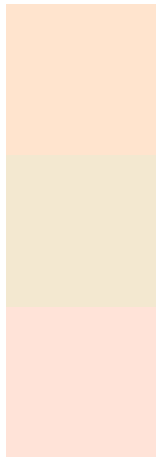
This preview shows how white text looks on a background with the XYZ color 80.1240, 81.2030,

69.8433.

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

80.1240, 81.2030, 69.8433

Protanopia

77.2039, 81.3220, 71.3021

Deuteranopia

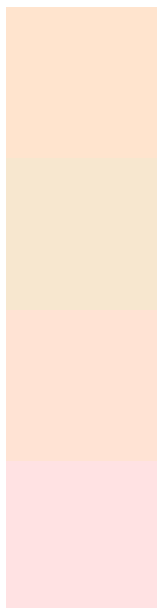
81.1038, 81.1560, 76.3558



Tritanopia

83.7452, 81.3424, 92.9482

Trichromacy



Original Color

80.1240, 81.2030, 69.8433

Protanomaly

78.1962, 81.4310, 70.6279

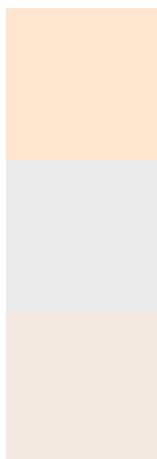
Deuteranomaly

80.5928, 80.9516, 73.6649

Tritanomaly

82.3015, 81.1988, 84.0082

Monochromacy



Original Color

80.1240, 81.2030, 69.8433

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.9291, 81.9723, 82.1832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1240, 81.2030, 69.8433 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, 228, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 206)  
}
```

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, 228, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 206) }
```

Border

The CSS property to change the border of an element to XYZ 80.1240, 81.2030, 69.8433 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, 228, 206) }
```


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

```
.border{ border-color:rgb(255, 228, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 206); box-shadow:4px 4px 4px 4px rgb(255, 228, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1240, 81.2030, 69.8433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 206) }
```

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

```
.background{ background-color: rgb(255,  
228, 206) }
```

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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