

Converting Colors

XYZ(81.2470, 84.0078, 69.1356)

Have a look what the booklet for
XYZ(81.2470, 84.0078, 69.1356)
contains.

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Color

**XYZ(81.2780, 83.8975,
69.0368)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9CC
RGB	255, 233, 204
RGB Percent	100%, 91%, 80%
CMY	0.0000, 0.0862, 0.2000
CMYK	0.00, 0.09, 0.20, 0.00
HSL	34°, 100%, 90%
HSV	34°, 20%, 100%
XYZ	81.2780, 83.8975, 69.0368
YIQ	236.2720, 22.4210, -4.3550

Conversions

Conversions Part 2

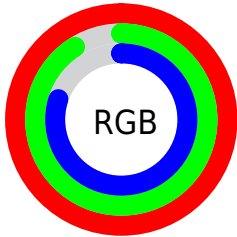
Format	Color
R _Y B	243, 255, 204
Decimal	16771532
CIE Lab	93.41, 3.01, 16.81
CIE LCh	93, 17.079, 79.855
Yxy	83.8975, 0.3470, 0.3582
Android (android.graphics.Color)	4294961612 (0xFFFFE9CC)
YUV	236.2720, -15.9101, 16.4245
Hunter-Lab	91.5956, -1.8990, 19.4292

Details

The XYZ color **81.2780, 83.8975, 69.0368** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.1475, 74.4479, 105.2805**, and the grayscale version is **80.0450, 84.2136, 91.7086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5159, 45.6521, 35.3197** is the 20% darker color. If you saturate the color by 10%, you get **75.4501, 76.7420, 53.2202**, and if you desaturate by 10%, it is **87.8048, 91.6488, 87.5589**.

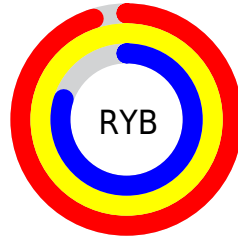
Distribution



Red (100%)

Green (91%)

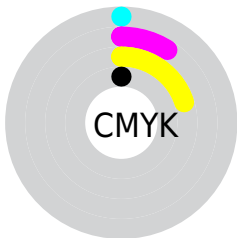
Blue (80%)



Red (95%)

Yellow (100%)

Blue (80%)

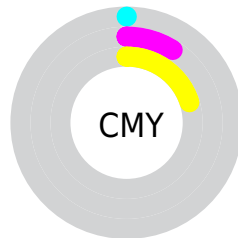


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.2780, 83.8975, 69.0368 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 81.2780, 83.8975, 69.0368 by changing the saturation by 10% instead.

 81.2780, 83.8975,
69.0368

 81.2780, 83.8975,
69.0368


487.9006,
507.9728, 475.8582

 61.0827, 62.9308,
50.2697


134.1022,
138.8318, 119.5023

 44.5447, 45.7852,
35.2551


167.4617,
173.5682, 152.0379

 31.2987, 32.0764,
23.5743


205.9400,
213.6633, 190.0000

 20.9793, 21.4198,
14.8089

249.9024,
259.5014, 233.8073

 13.2213, 13.4312,
8.5402

299.7144,
311.4671, 283.8782

 7.6591, 7.7262,
4.3498

355.7411,

 3.9276, 3.9202,

369.9446, 340.6313

1.8192

418.3481,
435.3184, 404.4851

■ 1.6612, 1.6290,
0.4405

■ 0.4318, 0.3771,
0.0000

■ 81.2780, 83.8975,
69.0368

■ 81.2780, 83.8975,
69.0368

■ 75.4501, 76.7420,
53.2202

■ 87.8048, 91.6488,
87.5589

■ 70.2872, 70.1544,
39.9744

95.0500, 100.0000,
108.9000

■ 65.7613, 64.1208,
29.1612

■ 61.8397, 58.6221,
20.6267

■ 58.4865, 53.6377,
14.1999

■ 55.6605, 49.1449,
9.6845

■ 53.3137, 45.1180,
6.8470

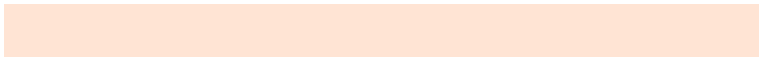
■ 51.3698, 41.5195,
5.3066

■ 51.3696, 41.5193,
5.3065

Harmonies

Analogous

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



85.4596, 83.8975, 73.6648



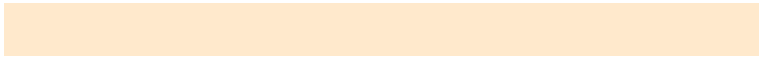
81.2780, 83.8975, 69.0368



76.8355, 83.8975, 69.9426

Triad

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



81.2780, 83.8975, 69.0368



71.8673, 83.8975, 100.0395



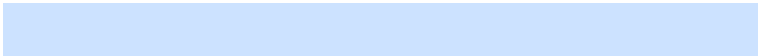
86.5501, 83.8975, 108.3003

Complementary

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



81.2780, 83.8975, 69.0368



70.1475, 74.4479, 105.2805

Split Complementary

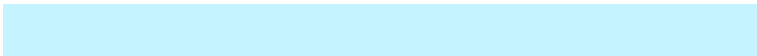
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7211, 83.8975, 116.7328



81.2780, 83.8975, 69.0368



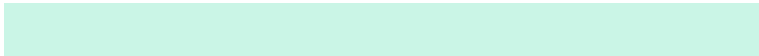
74.2854, 83.8975, 111.6610

Square

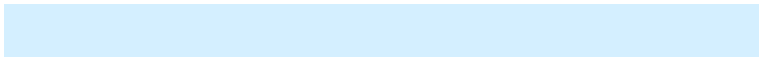
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2780, 83.8975, 69.0368



71.5138, 83.8975, 87.0486



78.2256, 83.8975, 118.0175



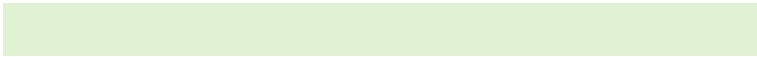
88.5785, 83.8975, 95.7911

Rectangle

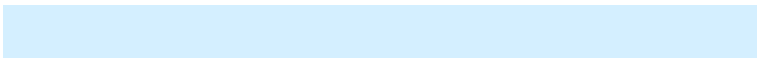
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2780, 83.8975, 69.0368



74.3176, 83.8975, 73.5947



78.2256, 83.8975, 118.0175



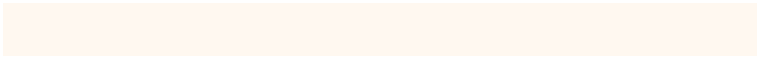
85.4243, 83.8975, 111.7536

Sweetspot

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



81.2800, 83.9012, 69.0386



90.6147, 94.9155, 95.7492



76.5747, 69.9432, 81.4887



19.2953, 20.2002, 20.2013



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

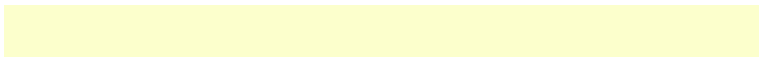
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2800, 83.9012, 69.0386



78.8657, 80.9673, 62.3928



86.6595, 96.5006, 71.1870



18.8669, 19.7020, 18.9528



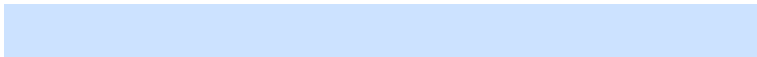
26.9930, 21.9973, 2.8232



2.7368, 2.3590, 0.3111

Inverse Universe

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



70.1475, 74.4479, 105.2805



65.8908, 69.9508, 104.6368



65.4878, 63.7300, 103.4573



17.6473, 18.6661, 22.9228



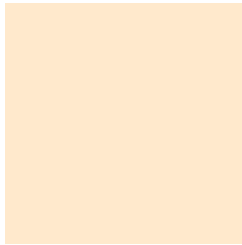
12.4851, 9.8797, 50.6835



1.3216, 1.1740, 4.9702

Previews

White Background



This preview shows how the XYZ color 81.2780, 83.8975, 69.0368 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 81.2780, 83.8975, 69.0368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

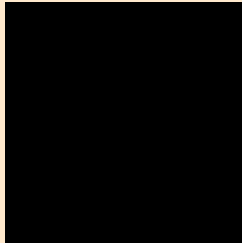
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2780, 83.8975, 69.0368

Background



This preview shows how black text looks on a background with the XYZ color 81.2780, 83.8975, 69.0368.



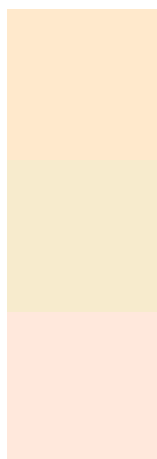
This preview shows how white text looks on a background with the XYZ color 81.2780, 83.8975,

69.0368.

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

81.2780, 83.8975, 69.0368

Protanopia

79.0855, 83.5986, 69.7255

Deuteranopia

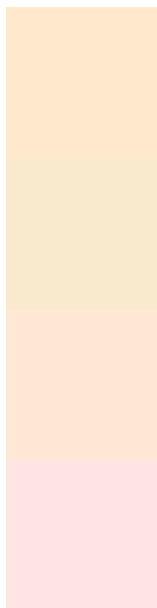
83.0149, 84.1405, 79.5755



Tritanopia

85.4370, 83.7697, 96.4602

Trichromacy



Original Color

81.2780, 83.8975, 69.0368

Protanomaly

79.8666, 83.5774, 69.6802

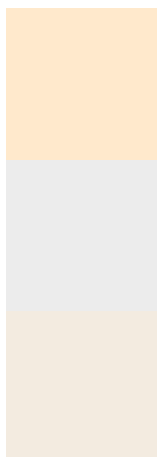
Deuteranomaly

82.2342, 83.8283, 75.4646

Tritanomaly

83.6797, 83.5108, 85.8375

Monochromacy



Original Color

81.2780, 83.8975, 69.0368

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.1250, 83.8532, 82.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2780, 83.8975, 69.0368 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, 233, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 204)  
}
```

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, 233, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 204) }
```

Border

The CSS property to change the border of an element to XYZ 81.2780, 83.8975, 69.0368 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, 233, 204) }
```


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

```
.border{ border-color:rgb(255, 233, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2780, 83.8975, 69.0368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 204) }
```

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

```
.background{ background-color: rgb(255,  
233, 204) }
```

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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