

Converting Colors

XYZ(113.1378, 100.0000,
70.8572)

Have a look what the booklet for
XYZ(113.1378, 100.0000, 70.8572)
contains.

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Color

**XYZ(81.1161, 83.3810,
69.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8CD
RGB	255, 232, 205
RGB Percent	100%, 91%, 80%
CMY	0.0000, 0.0902, 0.1961
CMYK	0.00, 0.09, 0.20, 0.00
HSL	32°, 100%, 90%
HSV	32°, 20%, 100%
XYZ	81.1161, 83.3810, 69.5765
YIQ	235.7990, 22.3750, -3.5210

Conversions

Conversions Part 2

Format	Color
R _Y B	248, 255, 205
Decimal	16771277
CIE Lab	93.18, 3.66, 15.98
CIE LCh	93, 16.392, 77.088
Yxy	83.3810, 0.3465, 0.3562
Android (android.graphics.Color)	4294961357 (0xFFFFE8CD)
YUV	235.7990, -15.1839, 16.8393
Hunter-Lab	91.3132, -1.2315, 18.7430

Details

The XYZ color **81.1161, 83.3810, 69.5765** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.9696, 75.6838, 105.4757**, and the grayscale version is **79.6772, 83.8267, 91.2872**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4000, 45.2908, 35.6800** is the 20% darker color. If you saturate the color by 10%, you get **75.0940, 75.8680, 53.6005**, and if you desaturate by 10%, it is **87.8641, 91.5425, 88.2715**.

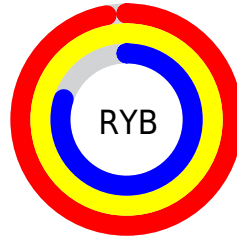
Distribution



Red (100%)

Green (91%)

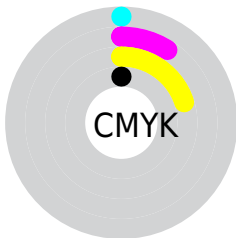
Blue (80%)



Red (97%)

Yellow (100%)

Blue (80%)

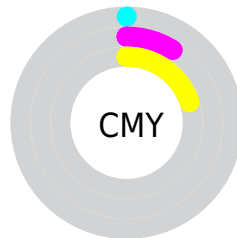


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.1161, 83.3810, 69.5765 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 81.1161, 83.3810, 69.5765 by changing the saturation by 10% instead.


 81.1161, 83.3810,
69.5765

 81.1161, 83.3810,
69.5765


487.3657,
506.2554, 477.8105

 60.9488, 62.5045,
50.7067


133.8761,
138.1090, 120.2801

 44.4363, 45.4405,
35.6001


167.1995,
172.7292, 152.9509

 31.2130, 31.8045,
23.8383


205.6390,
212.6995, 191.0591

 20.9137, 21.2122,
15.0026

249.5600,
258.4042, 235.0233

 13.1731, 13.2792,
8.6746

299.3278,
310.2278, 285.2620

 7.6256, 7.6211,
4.4356

355.3078,

 3.9061, 3.8535,

368.5546, 342.1938

1.8672

417.8653,
433.7690, 406.2371

■ 1.6492, 1.5919,
0.4718

■ 0.4241, 0.3522,
0.0000

■ 81.1161, 83.3810,
69.5765

■ 81.1161, 83.3810,
69.5765

■ 75.0940, 75.8680,
53.6005

■ 87.8641, 91.5425,
88.2715

■ 69.7635, 68.9744,
40.2091

95.0500, 100.0000,
108.9000

■ 65.0958, 62.6846,
29.2641

■ 61.0576, 56.9779,
20.6122

■ 57.6119, 51.8321,
14.0826

■ 54.7173, 47.2229,
9.4800

■ 52.3250, 43.1225,
6.5726

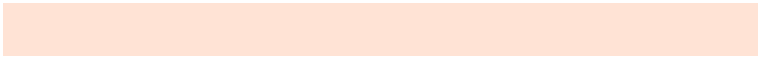
■ 50.3610, 39.4932,
4.9974

■ 50.2894, 39.3588,
4.9465

Harmonies

Analogous

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



85.0246, 83.3810, 74.5012



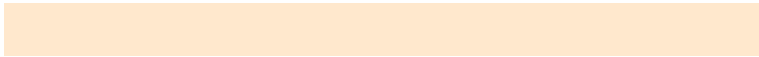
81.1161, 83.3810, 69.5765



76.8425, 83.3810, 69.9518

Triad

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



81.1161, 83.3810, 69.5765



71.5959, 83.3810, 97.9368



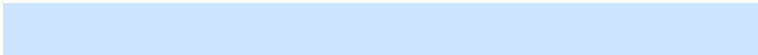
85.4726, 83.3810, 107.9128

Complementary

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



81.1161, 83.3810, 69.5765



70.9696, 75.6838, 105.4757

Split Complementary

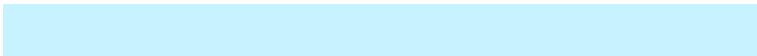
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7096, 83.3810, 115.3977



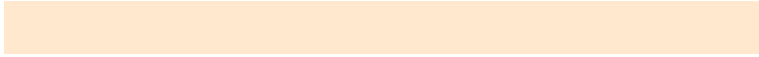
81.1161, 83.3810, 69.5765



73.7452, 83.3810, 109.2900

Square

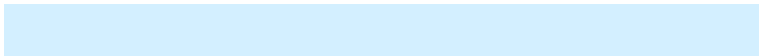
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1161, 83.3810, 69.5765



71.4500, 83.3810, 85.5904



77.4150, 83.3810, 115.9234



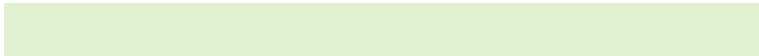
87.6004, 83.3810, 96.1913

Rectangle

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



81.1161, 83.3810, 69.5765



74.3612, 83.3810, 73.1518



77.4150, 83.3810, 115.9234



84.3509, 83.3810, 111.0522

Sweetspot

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



81.1180, 83.3846, 69.5782



90.4799, 94.6459, 95.7043



77.1218, 70.5436, 83.1939



19.2635, 20.1365, 20.1907



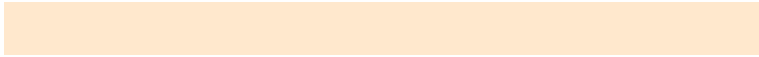
0.0000, 0.0000, 0.0000



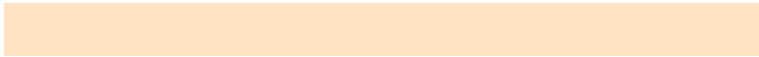
20.3446, 21.4041, 23.3091

Same Dimension

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



81.1180, 83.3846, 69.5782



78.3845, 80.0047, 62.2324



87.4092, 96.8731, 71.8502



18.8222, 19.6125, 18.9379



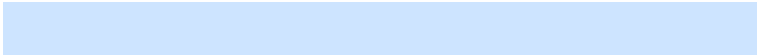
26.4285, 20.8682, 2.6350



2.6826, 2.2505, 0.2930

Inverse Universe

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



70.9696, 75.6838, 105.4757



66.3536, 70.8765, 104.7911



65.5214, 64.1012, 103.5272



17.6914, 18.7543, 22.9375



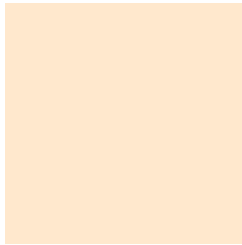
12.9175, 10.7446, 50.8277



1.3655, 1.2617, 4.9848

Previews

White Background



This preview shows how the XYZ color 81.1161, 83.3810, 69.5765 looks on a white background.

Color Contrast Check

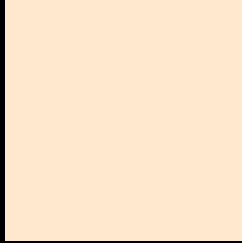
Large Text (above 18pt) WCAG AA × Fail

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 81.1161, 83.3810, 69.5765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

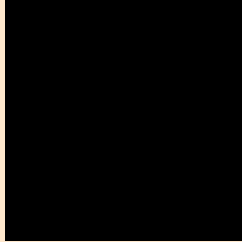
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1161, 83.3810, 69.5765

Background



This preview shows how black text looks on a background with the XYZ color 81.1161, 83.3810, 69.5765.



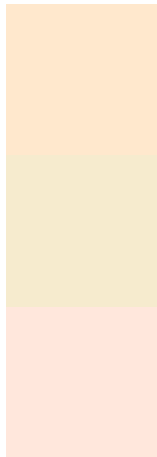
This preview shows how white text looks on a background with the XYZ color 81.1161, 83.3810,

69.5765.

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

81.1161, 83.3810, 69.5765

Protanopia

78.8549, 83.4657, 70.3469

Deuteranopia

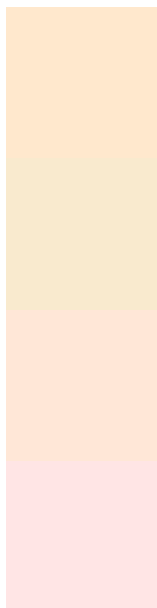
82.7342, 83.5791, 79.4820



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

81.1161, 83.3810, 69.5765

Protanomaly

79.6303, 83.4416, 70.3014

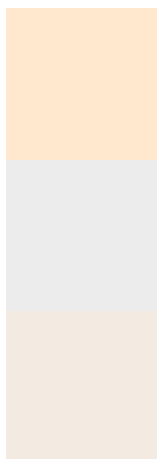
Deuteranomaly

82.0817, 83.3181, 76.0458

Tritanomaly

83.4022, 82.9558, 85.7450

Monochromacy



Original Color

81.1161, 83.3810, 69.5765

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.2611, 83.9076, 83.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1161, 83.3810, 69.5765 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, 232, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 205)  
}
```

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, 232, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 205) }
```

Border

The CSS property to change the border of an element to XYZ 81.1161, 83.3810, 69.5765 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, 232, 205) }
```


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

```
.border{ border-color:rgb(255, 232, 205) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1161, 83.3810, 69.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 205) }
```

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

```
.background{ background-color: rgb(255,  
232, 205) }
```

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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