

Converting Colors

XYZ(81.5172, 84.3758, 69.1165)

Have a look what the booklet for XYZ(81.5172, 84.3758, 69.1165) contains.

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Color

**XYZ(81.5619, 84.4653,
69.1314)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEACC
RGB	255, 234, 204
RGB Percent	100%, 92%, 80%
CMY	0.0000, 0.0823, 0.2000
CMYK	0.00, 0.08, 0.20, 0.00
HSL	35°, 100%, 90%
HSV	35°, 20%, 100%
XYZ	81.5619, 84.4653, 69.1314
YIQ	236.8590, 22.1460, -4.8780

Conversions

Conversions Part 2

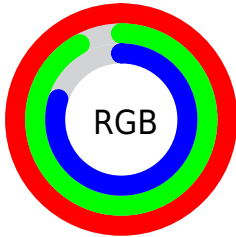
Format	Color
R _Y B	240, 255, 204
Decimal	16771788
CIE Lab	93.65, 2.50, 17.16
CIE LCh	94, 17.340, 81.714
Yxy	84.4653, 0.3468, 0.3592
Android (android.graphics.Color)	4294961868 (0xFFFFEACC)
YUV	236.8590, -16.1995, 15.9097
Hunter-Lab	91.9050, -2.4224, 19.7353

Details

The XYZ color **81.5619, 84.4653, 69.1314** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.8763, 73.9056, 105.1901**, and the grayscale version is **80.4983, 84.6905, 92.2280**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7141, 46.0486, 35.3857** is the 20% darker color. If you saturate the color by 10%, you get **75.8503, 77.5424, 53.3536**, and if you desaturate by 10%, it is **87.9555, 91.9501, 87.6090**.

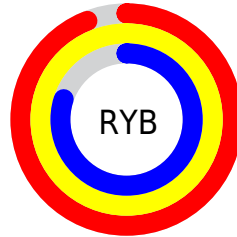
Distribution



Red (100%)

Green (92%)

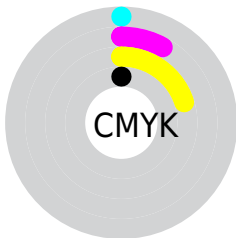
Blue (80%)



Red (94%)

Yellow (100%)

Blue (80%)

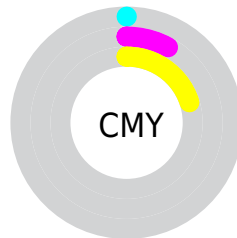


Cyan (0%)

Magenta (8%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5619, 84.4653, 69.1314 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 81.5619, 84.4653, 69.1314 by changing the saturation by 10% instead.


 81.5619, 84.4653,
69.1314

 81.5619, 84.4653,
69.1314


488.8378,
509.8571, 476.2008

 61.3174, 63.3997,
50.3463


134.4985,
139.6259, 119.6387

 44.7348, 46.1646,
35.3155


167.9213,
174.4896, 152.1980

 31.4490, 32.3757,
23.6205


206.4675,
214.7215, 190.1858

 21.0945, 21.6487,
14.8428

250.5025,
260.7059, 234.0206

 13.3060, 13.5990,
8.5637

300.3917,
312.8273, 284.1209

 7.7180, 7.8423,
4.3648

356.5004,

 3.9653, 3.9942,

371.4700, 340.9054

1.8275

419.1940,
437.0185, 404.7925

■ 1.6825, 1.6703,
0.4460

■ 0.4453, 0.4043,
0.0000

■ 81.5619, 84.4653,
69.1314

■ 81.5619, 84.4653,
69.1314

■ 75.8503, 77.5424,
53.3536

■ 87.9555, 91.9501,
87.6090

■ 70.7872, 71.1545,
40.1411

95.0500, 100.0000,
108.9000

■ 66.3451, 65.2885,
29.3558

■ 62.4919, 59.9263,
20.8441

■ 59.1919, 55.0486,
14.4350

■ 56.4049, 50.6336,
9.9326

■ 54.0831, 46.6567,
7.1035

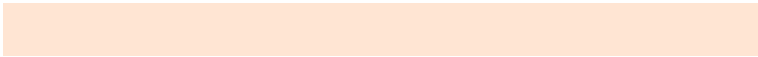
■ 52.1509, 43.0819,
5.5670

■ 52.1508, 43.0816,
5.5669

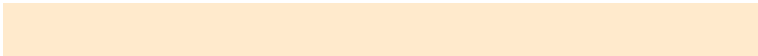
Harmonies

Analogous

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



85.8817, 84.4653, 73.5014



81.5619, 84.4653, 69.1314



77.0569, 84.4653, 70.4051

Triad

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



81.5619, 84.4653, 69.1314



72.3495, 84.4653, 101.6517



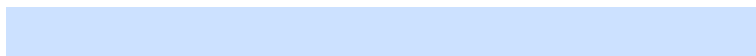
87.4188, 84.4653, 108.5550

Complementary

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



81.5619, 84.4653, 69.1314



69.8763, 73.9056, 105.1901

Split Complementary

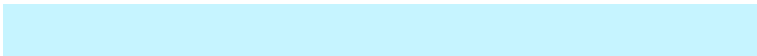
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5953, 84.4653, 117.5380



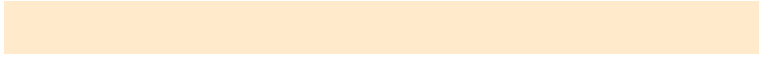
81.5619, 84.4653, 69.1314



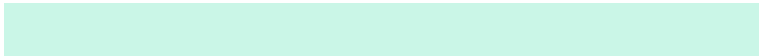
74.9306, 84.4653, 113.2951

Square

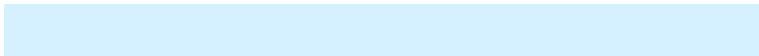
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5619, 84.4653, 69.1314



71.8518, 84.4653, 88.3694



79.0150, 84.4653, 119.3507



89.3466, 84.4653, 95.6638

Rectangle

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



81.5619, 84.4653, 69.1314



74.5447, 84.4653, 74.3424



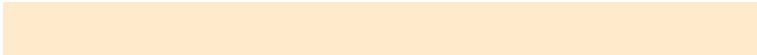
79.0150, 84.4653, 119.3507



86.3058, 84.4653, 112.1809

Sweetspot

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



81.5639, 84.4690, 69.1332



90.7072, 95.1005, 95.7801



76.4582, 69.8966, 80.8755



19.3172, 20.2440, 20.2086



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.



81.5639, 84.4690, 69.1332



79.1982, 81.6322, 62.5036



86.3530, 96.3426, 71.1726



18.8976, 19.7635, 18.9630



27.4006, 22.8125, 2.9591



2.7756, 2.4365, 0.3240

Inverse Universe

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



69.8763, 73.9056, 105.1901



65.5766, 69.3224, 104.5320



65.7266, 63.8530, 103.4684



17.6171, 18.6059, 22.9127



12.2080, 9.3256, 50.5912



1.2931, 1.1169, 4.9607

Previews

White Background



This preview shows how the XYZ color 81.5619, 84.4653, 69.1314 looks on a white background.

Color Contrast Check

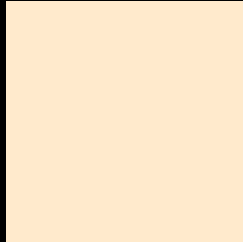
Large Text (above 18pt) WCAG AA × Fail

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 81.5619, 84.4653, 69.1314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

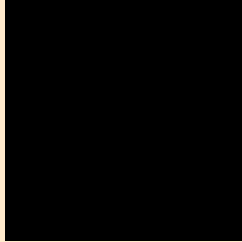
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5619, 84.4653, 69.1314

Background



This preview shows how black text looks on a background with the XYZ color 81.5619, 84.4653, 69.1314.

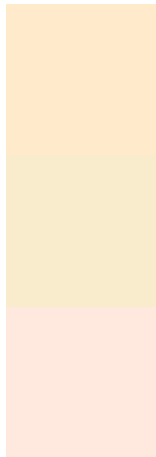


This preview shows how white text looks on a background with the XYZ color 81.5619, 84.4653,

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

81.5619, 84.4653, 69.1314

Protanopia

79.7263, 84.3551, 69.8378

Deuteranopia

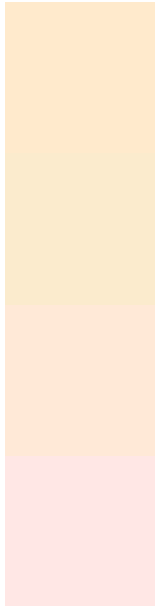
83.1478, 84.1937, 80.2753



Tritanopia

85.8659, 84.3853, 97.3503

Trichromacy



Original Color

81.5619, 84.4653, 69.1314

Protanomaly

80.5114, 84.3337, 69.7922

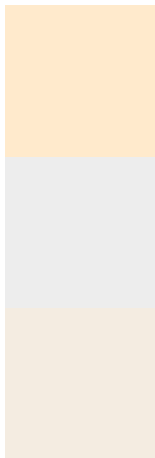
Deuteranomaly

82.6447, 84.4441, 76.2335

Tritanomaly

83.9588, 84.0690, 85.9306

Monochromacy



Original Color

81.5619, 84.4653, 69.1314

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.8943, 84.6602, 83.3116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5619, 84.4653, 69.1314 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, 234, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 204) }
```

Border

The CSS property to change the border of an element to XYZ 81.5619, 84.4653, 69.1314 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, 234, 204) }
```


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

```
.border{ border-color:rgb(255, 234, 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, 234, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5619, 84.4653, 69.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 204) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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