

Converting Colors

XYZ(84.2590, 83.8274, 67.8920)

Have a look what the booklet for
XYZ(84.2590, 83.8274, 67.8920)
contains.

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Color

**XYZ(79.9200, 81.5629,
67.4081)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5CA
RGB	255, 229, 202
RGB Percent	100%, 90%, 79%
CMY	0.0000, 0.1019, 0.2078
CMYK	0.00, 0.10, 0.21, 0.00
HSL	31°, 100%, 90%
HSV	31°, 21%, 100%
XYZ	79.9200, 81.5629, 67.4081
YIQ	233.6960, 24.1630, -2.8850

Conversions

Conversions Part 2

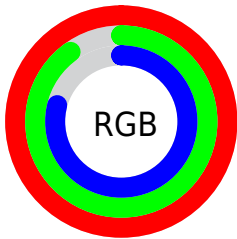
Format	Color
R _Y B	253, 255, 202
Decimal	16770506
CIE Lab	92.38, 4.77, 16.41
CIE LCh	92, 17.086, 73.804
Yxy	81.5629, 0.3492, 0.3563
Android (android.graphics.Color)	4294960586 (0xFFFFE5CA)
YUV	233.6960, -15.6261, 18.6836
Hunter-Lab	90.3122, -0.0862, 18.9651

Details

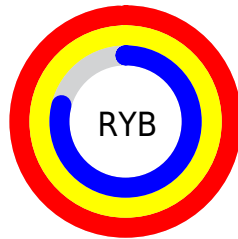
The XYZ color **79.9200, 81.5629, 67.4081** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.1498, 75.2612, 105.4373**, and the grayscale version is **78.0802, 82.1464, 89.4574**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7701, 44.4160, 34.2832** is the 20% darker color. If you saturate the color by 10%, you get **73.8103, 73.7825, 51.6863**, and if you desaturate by 10%, it is **86.7819, 90.0486, 85.8439**.

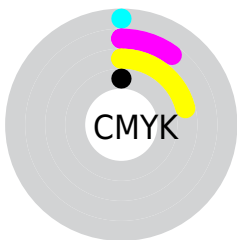
Distribution



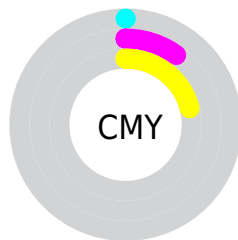
- Red (100%)
- Green (90%)
- Blue (79%)



- Red (99%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (10%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.9200, 81.5629, 67.4081 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 79.9200, 81.5629, 67.4081 by changing the saturation by 10% instead.


 79.9200, 81.5629,
67.4081

 79.9200, 81.5629,
67.4081


483.4038,
500.1844, 469.9370

 59.9608, 61.0053,
48.9527


132.2044,
135.5609, 117.1512

 43.6363, 44.2295,
34.2166


165.2602,
169.7700, 149.2759

 30.5814, 30.8509,
22.7813


203.4123,
209.2985, 186.7941

 20.4306, 20.4854,
14.2284

247.0260,
254.5307, 230.1244

 12.8185, 12.7483,
8.1391

296.4666,
305.8510, 279.6853

 7.3798, 7.2555,
4.0950

352.0996,

 3.7492, 3.6224,

363.6438, 335.8954

1.6776

414.2902,
428.2935, 399.1731

■ 1.5612, 1.4647,
0.3453

■ 0.3669, 0.2637,
0.0000

■ 79.9200, 81.5629,
67.4081

■ 79.9200, 81.5629,
67.4081

■ 73.8103, 73.7825,
51.6863

■ 86.7819, 90.0486,
85.8439

■ 68.4172, 66.6766,
38.5428

■ 94.4181, 99.2483,
107.1105

■ 63.7107, 60.2274,
27.8377

■ 95.0500, 100.0000,
108.9000

■ 59.6562, 54.4119,
19.4154

■ 56.2152, 49.2056,
13.1023

■ 53.3443, 44.5815,
8.6995

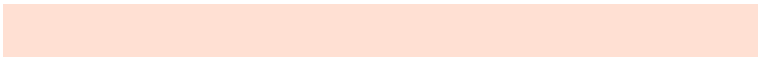
■ 50.9923, 40.5091,
5.9687

■ 49.2135, 37.2071,
4.5878

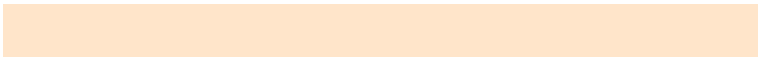
Harmonies

Analogous

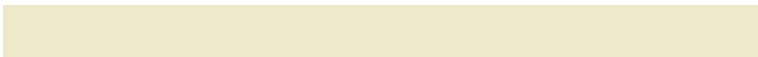
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8256, 81.5629, 72.9905



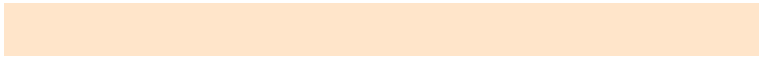
79.9200, 81.5629, 67.4081



75.5112, 81.5629, 67.1893

Triad

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



79.9200, 81.5629, 67.4081



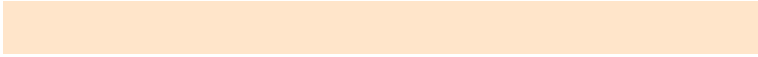
69.5525, 81.5629, 94.7482



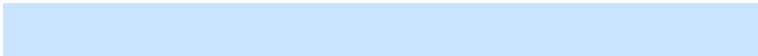
83.5613, 81.5629, 107.5756

Complementary

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



79.9200, 81.5629, 67.4081



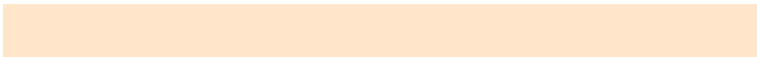
70.1498, 75.2612, 105.4373

Split Complementary

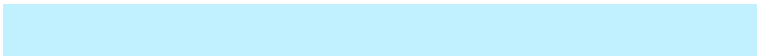
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5704, 81.5629, 114.6284



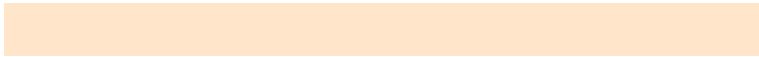
79.9200, 81.5629, 67.4081



71.5447, 81.5629, 106.7603

Square

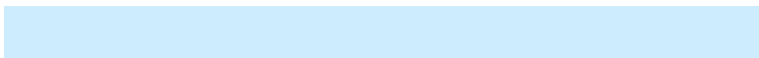
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9200, 81.5629, 67.4081



69.6381, 81.5629, 82.1849



75.1746, 81.5629, 114.3165



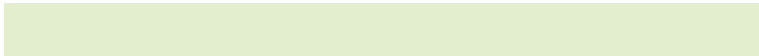
85.9819, 81.5629, 95.7779

Rectangle

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



79.9200, 81.5629, 67.4081



72.8864, 81.5629, 70.0645



75.1746, 81.5629, 114.3165



82.3524, 81.5629, 110.6278

Sweetspot

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



79.9219, 81.5665, 67.4098



90.3363, 94.3587, 95.6564



76.4342, 69.1312, 83.0790



19.2295, 20.0686, 20.1794



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.



79.9219, 81.5665, 67.4098



77.2554, 78.2004, 60.4570



87.6609, 97.0444, 69.9895



18.7746, 19.5173, 18.9220



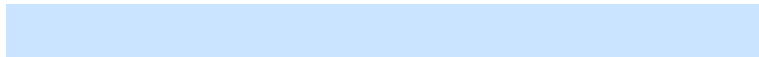
25.8651, 19.7414, 2.4472



2.6277, 2.1409, 0.2747

Inverse Universe

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



70.1498, 75.2612, 105.4373



65.8576, 70.8465, 104.8114



63.5286, 62.0187, 103.2302



17.7386, 18.8489, 22.9532



13.4166, 11.7427, 50.9940



1.4153, 1.3613, 5.0014

Previews

White Background



This preview shows how the XYZ color 79.9200, 81.5629, 67.4081 looks on a white background.

Color Contrast Check

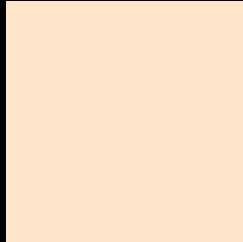
Large Text (above 18pt) WCAG AA × Fail

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 79.9200, 81.5629, 67.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

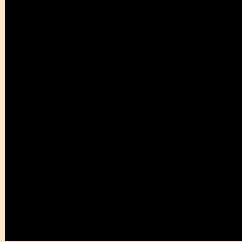
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.9200, 81.5629, 67.4081

Background



This preview shows how black text looks on a background with the XYZ color 79.9200, 81.5629, 67.4081.

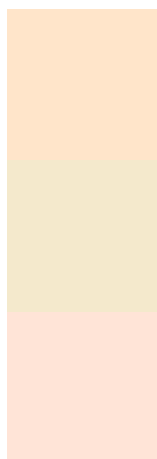


This preview shows how white text looks on a background with the XYZ color 79.9200, 81.5629,

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

79.9200, 81.5629, 67.4081

Protanopia

77.3462, 81.8706, 68.8528

Deuteranopia

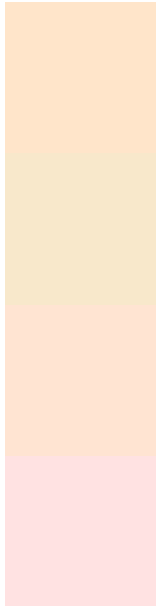
81.2491, 81.6531, 75.7683



Tritanopia

83.7452, 81.3424, 92.9482

Trichromacy



Original Color

79.9200, 81.5629, 67.4081

Protanomaly

78.3475, 81.9815, 68.1946

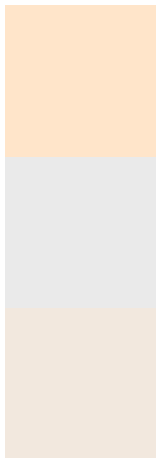
Deuteranomaly

80.6163, 81.3999, 72.4356

Tritanomaly

82.1638, 81.1437, 83.2833

Monochromacy



Original Color

79.9200, 81.5629, 67.4081

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.6594, 81.8644, 80.7629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9200, 81.5629, 67.4081 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, 229, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 202)  
}
```

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, 229, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 202) }
```

Border

The CSS property to change the border of an element to XYZ 79.9200, 81.5629, 67.4081 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, 229, 202) }
```


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

```
.border{ border-color:rgb(255, 229, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9200, 81.5629, 67.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 202) }
```

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

```
.background{ background-color: rgb(255,  
229, 202) }
```

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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