

Converting Colors

XYZ(81.2378, 84.3025, 67.5266)

Have a look what the booklet for
XYZ(81.2378, 84.3025, 67.5266)
contains.

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Color

**XYZ(81.2054, 84.3227,
67.2543)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAC9
RGB	255, 234, 201
RGB Percent	100%, 92%, 79%
CMY	0.0000, 0.0823, 0.2118
CMYK	0.00, 0.08, 0.21, 0.00
HSL	37°, 100%, 89%
HSV	37°, 21%, 100%
XYZ	81.2054, 84.3227, 67.2543
YIQ	236.5170, 23.1090, -5.8110

Conversions

Conversions Part 2

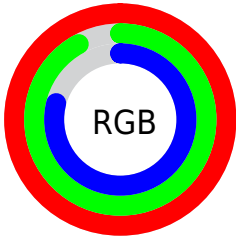
Format	Color
R _Y B	235, 255, 201
Decimal	16771785
CIE Lab	93.59, 2.07, 18.62
CIE LCh	94, 18.737, 83.652
Yxy	84.3227, 0.3488, 0.3622
Android (android.graphics.Color)	4294961865 (0xFFFFEAC9)
YUV	236.5170, -17.5099, 16.2096
Hunter-Lab	91.8274, -2.8456, 20.8552

Details

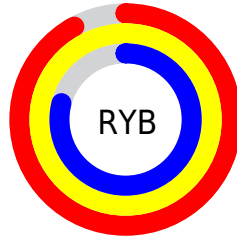
The XYZ color **81.2054, 84.3227, 67.2543** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.2580, 71.8780, 104.8840**, and the grayscale version is **80.2446, 84.4236, 91.9373**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4756, 45.9531, 34.1295** is the 20% darker color. If you saturate the color by 10%, you get **75.7078, 77.7359, 51.8307**, and if you desaturate by 10%, it is **87.3632, 91.4321, 85.3568**.

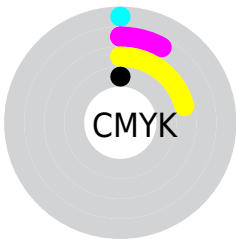
Distribution



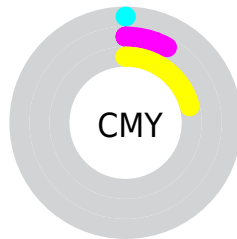
- Red (100%)
- Green (92%)
- Blue (79%)



- Red (92%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (8%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.2054, 84.3227, 67.2543 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 81.2054, 84.3227, 67.2543 by changing the saturation by 10% instead.


 81.2054, 84.3227,
67.2543

 81.2054, 84.3227,
67.2543


487.6608,
509.3842, 469.3755

 61.0227, 63.2819,
48.8284


134.0008,
139.4265, 116.9288

 44.4961, 46.0693,
34.1188


167.3441,
174.2583, 149.0146

 31.2603, 32.3005,
22.7067

205.8051,
214.4558, 186.4907

 20.9499, 21.5911,
14.1739

249.7489,
260.4036, 229.7757

 13.1996, 13.5568,
8.1016

299.5411,
312.4859, 279.2881

 7.6441, 7.8131,
4.0713

355.5468,

 3.9180, 3.9756,

371.0872, 335.4465

1.6645

418.1316,
436.5918, 398.6695

■ 1.6558, 1.6599,
0.3363

■ 0.4284, 0.3975,
0.0000

■ 81.2054, 84.3227,
67.2543

■ 81.2054, 84.3227,
67.2543

■ 75.7078, 77.7359,
51.8307

■ 87.3632, 91.4321,
85.3568

■ 70.8369, 71.6455,
38.9504

■ 94.2003, 99.0670,
106.2540

■ 66.5657, 66.0395,
28.4741

■ 95.0500, 100.0000,
108.9000

■ 62.8621, 60.9006,
20.2467

■ 59.6906, 56.2103,
14.0946

■ 57.0107, 51.9478,
9.8186

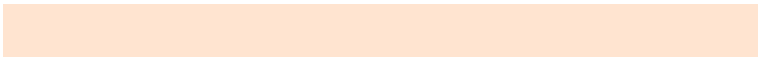
■ 54.7743, 48.0891,
7.1799

■ 53.1050, 44.9900,
5.8850

Harmonies

Analogous

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



85.9328, 84.3227, 71.5241



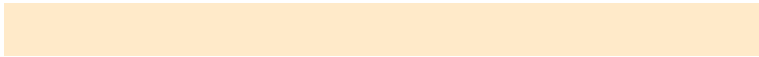
81.2054, 84.3227, 67.2543



76.3807, 84.3227, 68.9974

Triad

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



81.2054, 84.3227, 67.2543



71.7237, 84.3227, 103.2124



88.0757, 84.3227, 108.9720

Complementary

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



81.2054, 84.3227, 67.2543



68.2580, 71.8780, 104.8840

Split Complementary

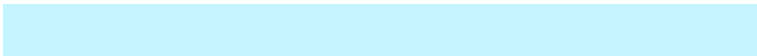
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0335, 84.3227, 119.1741



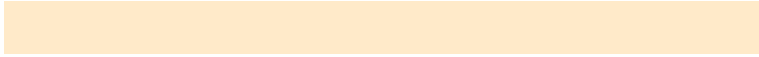
81.2054, 84.3227, 67.2543



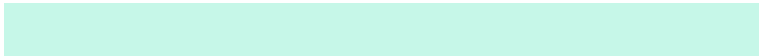
74.6254, 84.3227, 115.6163

Square

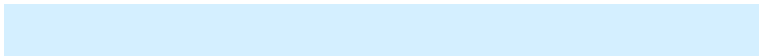
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2054, 84.3227, 67.2543



71.0362, 84.3227, 88.8259



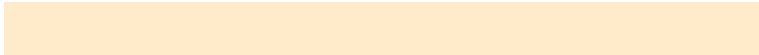
79.0962, 84.3227, 121.7228



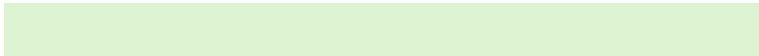
90.0035, 84.3227, 94.8665

Rectangle

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



81.2054, 84.3227, 67.2543



73.7415, 84.3227, 73.4342



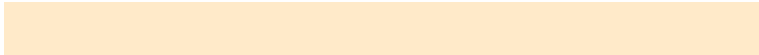
79.0962, 84.3227, 121.7228



86.9113, 84.3227, 113.0280

Sweetspot

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



81.2075, 84.3264, 67.2561



90.8153, 95.3167, 95.8161



75.3927, 68.3404, 78.7478



19.3428, 20.2951, 20.2171



0.0000, 0.0000, 0.0000



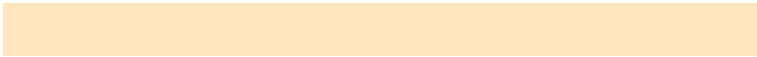
20.3446, 21.4041, 23.3091

Same Dimension

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



81.2075, 84.3264, 67.2561



79.0282, 81.7460, 61.0479



85.5841, 95.9873, 69.2762



18.9336, 19.8354, 18.9750



27.8978, 23.8069, 3.1248



2.8225, 2.5304, 0.3396

Inverse Universe

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



68.2580, 71.8780, 104.8840



64.1636, 67.4585, 104.2467



64.5024, 62.1736, 103.2088



17.5821, 18.5359, 22.9011



11.9041, 8.7177, 50.4899



1.2614, 1.0534, 4.9501

Previews

White Background



This preview shows how the XYZ color 81.2054, 84.3227, 67.2543 looks on a white background.

Color Contrast Check

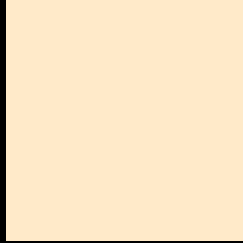
Large Text (above 18pt) WCAG AA × Fail

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 81.2054, 84.3227, 67.2543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

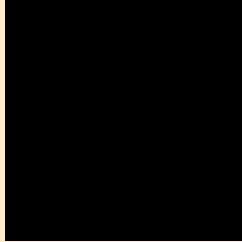
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2054, 84.3227, 67.2543

Background



This preview shows how black text looks on a background with the XYZ color 81.2054, 84.3227, 67.2543.



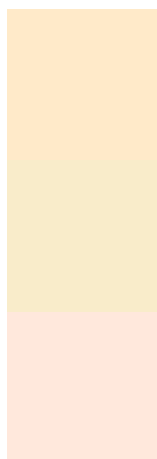
This preview shows how white text looks on a background with the XYZ color 81.2054, 84.3227,

67.2543.

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

81.2054, 84.3227, 67.2543

Protanopia

79.7230, 84.3949, 67.9651

Deuteranopia

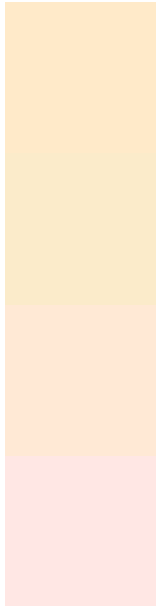
83.0149, 84.1405, 79.5755



Tritanopia

85.7145, 84.3247, 96.5527

Trichromacy



Original Color

81.2054, 84.3227, 67.2543

Protanomaly

80.1527, 84.1902, 67.9029

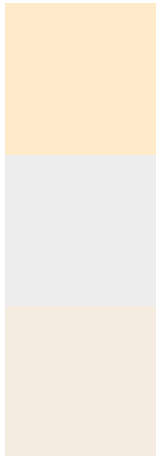
Deuteranomaly

82.3892, 84.3419, 74.8880

Tritanomaly

83.8195, 84.0133, 85.1972

Monochromacy



Original Color

81.2054, 84.3227, 67.2543

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.7582, 84.6058, 82.5952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2054, 84.3227, 67.2543 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 201) }
```

Border

The CSS property to change the border of an element to XYZ 81.2054, 84.3227, 67.2543 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, 201) }
```


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

```
.border{ border-color:rgb(255, 234, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2054, 84.3227, 67.2543 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
234, 201) }
```

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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