

Converting Colors

XYZ(114.4426, 100.0000,
61.2903)

Have a look what the booklet for
XYZ(114.4426, 100.0000, 61.2903)
contains.

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Color

**XYZ(78.7221, 81.5278,
59.7314)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE6BD
RGB	255, 230, 189
RGB Percent	100%, 90%, 74%
CMY	0.0000, 0.0980, 0.2588
CMYK	0.00, 0.10, 0.26, 0.00
HSL	37°, 100%, 87%
HSV	37°, 26%, 100%
XYZ	78.7221, 81.5278, 59.7314
YIQ	232.8010, 28.0610, -7.4510

Conversions

Conversions Part 2

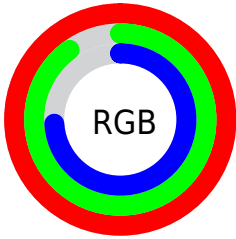
Format	Color
R _Y B	229, 255, 189
Decimal	16770749
CIE Lab	92.37, 2.46, 23.11
CIE LCh	92, 23.245, 83.917
Yxy	81.5278, 0.3579, 0.3706
Android (android.graphics.Color)	4294960829 (0xFFFFE6BD)
YUV	232.8010, -21.5939, 19.4685
Hunter-Lab	90.2927, -2.3864, 23.9828

Details

The XYZ color **78.7221, 81.5278, 59.7314** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.0821, 66.1298, 104.0473**, and the grayscale version is **77.4467, 81.4799, 88.7317**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **43.0626, 44.4433, 29.6013** is the 20% darker color. If you saturate the color by 10%, you get **73.5810, 75.2925, 45.5413**, and if you desaturate by 10%, it is **84.5029, 88.2629, 76.5375**.

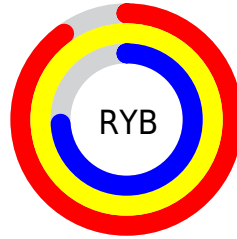
Distribution



Red (100%)

Green (90%)

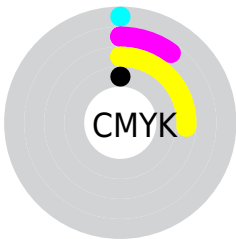
Blue (74%)



Red (90%)

Yellow (100%)

Blue (74%)

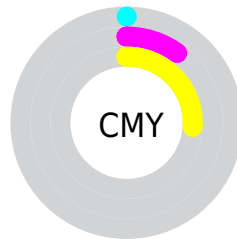


Cyan (0%)

Magenta (10%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7221, 81.5278, 59.7314 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 78.7221, 81.5278, 59.7314 by changing the saturation by 10% instead.


 78.7221, 81.5278,
59.7314

 78.7221, 81.5278,
59.7314


479.4181,
500.0668, 441.3841

 58.9722, 60.9764,
42.7783


 130.5276,
135.5116, 105.9795

 42.8370, 44.2061,
29.3811


163.3138,
169.7128, 136.1115

 29.9512, 30.8326,
19.1212


201.1762,
209.2327, 171.4737

 19.9495, 20.4714,
11.5802

244.4801,
254.4557, 212.4844

 12.4664, 12.7382,
6.3395

293.5909,
305.7663, 259.5623

 7.1366, 7.2485,
2.9805

348.8740,

 3.5947, 3.6180,

363.5487, 313.1258

1.0847

410.6946,
428.1874, 373.5936

■ 1.4755, 1.4623,
0.0000

■ 0.3091, 0.2619,
0.0000

■ 78.7221, 81.5278,
59.7314

■ 78.7221, 81.5278,
59.7314

■ 73.5810, 75.2925,
45.5413

■ 84.5029, 88.2629,
76.5375

■ 69.0456, 69.5311,
33.8272

■ 90.9432, 95.5009,
96.0798

■ 65.0877, 64.2311,
24.4435

95.0500, 100.0000,
108.9000

■ 61.6740, 59.3753,
17.2272

■ 58.7670, 54.9446,
11.9941

■ 56.3234, 50.9173,
8.5287

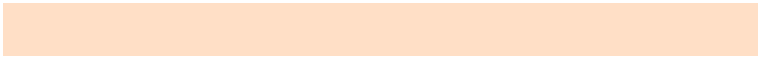
■ 54.2900, 47.2679,
6.5639

■ 53.5406, 45.8612,
6.0302

Harmonies

Analogous

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



84.5050, 81.5278, 64.5951



78.7221, 81.5278, 59.7314



72.8934, 81.5278, 61.7962

Triad

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



78.7221, 81.5278, 59.7314



67.3879, 81.5278, 102.8915



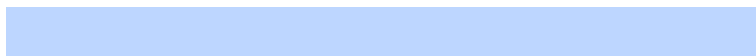
87.2206, 81.5278, 109.7484

Complementary

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



78.7221, 81.5278, 59.7314



63.0821, 66.1298, 104.0473

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.



82.2753, 81.5278, 122.6330



78.7221, 81.5278, 59.7314



70.8739, 81.5278, 118.3295

Square

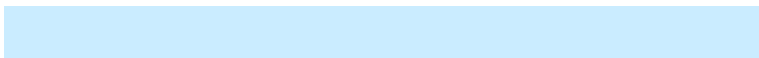
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7221, 81.5278, 59.7314



66.5457, 81.5278, 85.3051



76.2703, 81.5278, 125.9603



89.5723, 81.5278, 92.3273

Rectangle

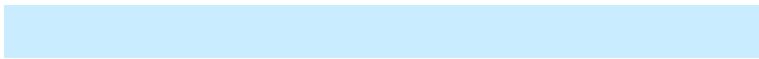
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7221, 81.5278, 59.7314



69.7390, 81.5278, 66.9780



76.2703, 81.5278, 125.9603



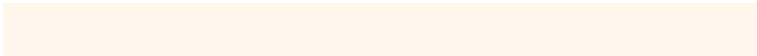
85.7944, 81.5278, 114.8398

Sweetspot

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



78.7241, 81.5315, 59.7331



89.5224, 93.9246, 91.7055



71.6141, 62.5264, 72.1145



18.9495, 19.8671, 18.9803



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

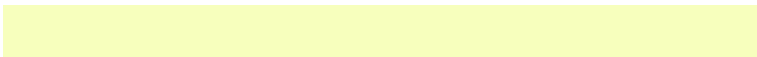
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7241, 81.5315, 59.7331



76.0140, 78.2775, 52.1511



83.4092, 95.0230, 62.0903



18.9495, 19.8671, 18.9803



28.1246, 24.2605, 3.2004



2.8438, 2.5729, 0.3467

Inverse Universe

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



63.0821, 66.1298, 104.0473



57.9871, 60.5321, 103.2354



59.1959, 55.4461, 102.1899



17.5667, 18.5050, 22.8959



11.7765, 8.4627, 50.4473



1.2479, 1.0265, 4.9456

Previews

White Background



This preview shows how the XYZ color 78.7221, 81.5278, 59.7314 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 78.7221, 81.5278, 59.7314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

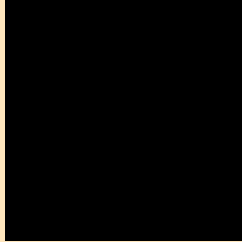
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7221, 81.5278, 59.7314

Background



This preview shows how black text looks on a background with the XYZ color 78.7221, 81.5278, 59.7314.



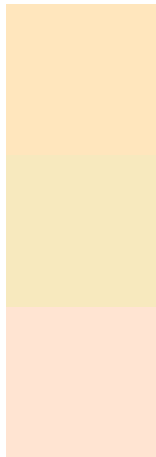
This preview shows how white text looks on a background with the XYZ color 78.7221, 81.5278,

59.7314.

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

78.7221, 81.5278, 59.7314

Protanopia

76.7909, 81.7697, 60.4510

Deuteranopia

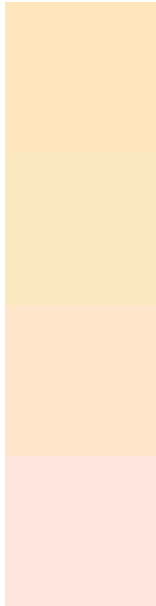
80.6163, 81.3999, 72.4356



Tritanopia

83.7452, 81.3424, 92.9482

Trichromacy



Original Color

78.7221, 81.5278, 59.7314

Protanomaly

77.5752, 81.7549, 60.4068

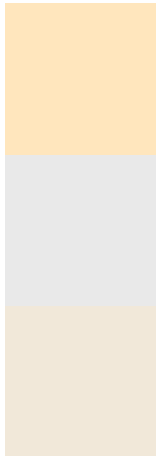
Deuteranomaly

79.9200, 81.5629, 67.4081

Tritanomaly

81.7602, 81.4186, 79.8128

Monochromacy



Original Color

78.7221, 81.5278, 59.7314

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6566, 81.4238, 77.2691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7221, 81.5278, 59.7314 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, 230, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 189)  
}
```

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, 230, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 189) }
```

Border

The CSS property to change the border of an element to XYZ 78.7221, 81.5278, 59.7314 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, 230, 189) }
```


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

```
.border{ border-color:rgb(255, 230, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 230, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 230, 189); box-shadow:4px 4px 4px 4px rgb(255, 230, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7221, 81.5278, 59.7314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 189) }
```

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

```
.background{ background-color: rgb(255,  
230, 189) }
```

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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