

Converting Colors

XYZ(113.8828, 100.0000,
59.9095)

Have a look what the booklet for
XYZ(113.8828, 100.0000, 59.9095)
contains.

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Color

**XYZ(78.6788, 81.9570,
58.1268)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7BA
RGB	255, 231, 186
RGB Percent	100%, 91%, 73%
CMY	0.0000, 0.0941, 0.2706
CMYK	0.00, 0.09, 0.27, 0.00
HSL	39°, 100%, 86%
HSV	39°, 27%, 100%
XYZ	78.6788, 81.9570, 58.1268
YIQ	233.0460, 28.7490, -8.9070

Conversions

Conversions Part 2

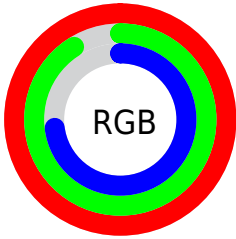
Format	Color
R _Y B	223, 255, 186
Decimal	16771002
CIE Lab	92.56, 1.56, 24.92
CIE LCh	93, 24.970, 86.421
Yxy	81.9570, 0.3597, 0.3746
Android (android.graphics.Color)	4294961082 (0xFFFFE7BA)
YUV	233.0460, -23.1937, 19.2537
Hunter-Lab	90.5301, -3.2951, 25.3027

Details

The XYZ color **78.6788, 81.9570, 58.1268** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.3456, 63.7503, 103.6795**, and the grayscale version is **77.6424, 81.6859, 88.9559**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **43.0477, 44.7499, 28.5590** is the 20% darker color. If you saturate the color by 10%, you get **73.7874, 76.1321, 44.2943**, and if you desaturate by 10%, it is **84.1839, 88.2343, 74.5524**.

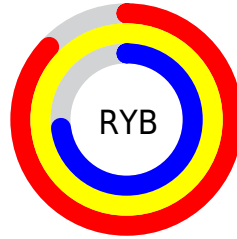
Distribution



Red (100%)

Green (91%)

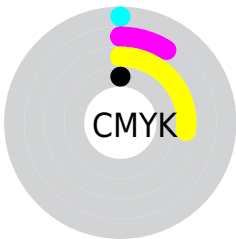
Blue (73%)



Red (87%)

Yellow (100%)

Blue (73%)

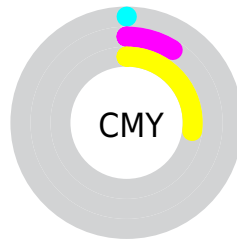


Cyan (0%)

Magenta (9%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6788, 81.9570, 58.1268 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 78.6788, 81.9570, 58.1268 by changing the saturation by 10% instead.


 78.6788, 81.9570,
58.1268

 78.6788, 81.9570,
58.1268

479.2737,
501.5038, 435.2697

 58.9365, 61.3301,
41.4952


 130.4669,
136.1137, 103.6241

 42.8082, 44.4916,
28.3836


163.2434,
170.4123, 133.3269

 29.9285, 31.0572,
18.3735


201.0953,
210.0369, 168.2238

 19.9321, 20.6424,
11.0463

244.3880,
255.3719, 208.7334

 12.4537, 12.8629,
5.9834

293.4868,
306.8017, 255.2743

 7.1278, 7.3342,
2.7664

348.7571,

 3.5892, 3.6720,

364.7107, 308.2649

0.9766

410.5643,
429.4833, 368.1239

■ 1.4725, 1.4918,
0.0000

■ 0.3070, 0.2830,
0.0000

■ 78.6788, 81.9570,
58.1268

■ 78.6788, 81.9570,
58.1268

■ 73.7874, 76.1321,
44.2943

■ 84.1839, 88.2343,
74.5524

■ 69.4759, 70.7346,
32.9137

■ 90.3221, 94.9661,
93.6920

■ 65.7165, 65.7531,
23.8380

95.0500, 100.0000,
108.9000

■ 62.4759, 61.1713,
16.9023

■ 59.7168, 56.9711,
11.9194

■ 57.3955, 53.1318,
8.6694

■ 55.4569, 49.6280,
6.8717

■ 54.9355, 48.6510,
6.4952

Harmonies

Analogous

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



85.0008, 81.9570, 62.6664



78.6788, 81.9570, 58.1268



72.4793, 81.9570, 60.9213

Triad

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



78.6788, 81.9570, 58.1268



67.2546, 81.9570, 106.0914



88.7562, 81.9570, 110.4847

Complementary

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



78.6788, 81.9570, 58.1268



61.3456, 63.7503, 103.6795

Split Complementary

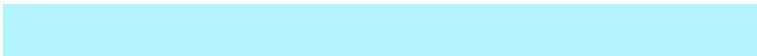
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5795, 81.9570, 125.1962



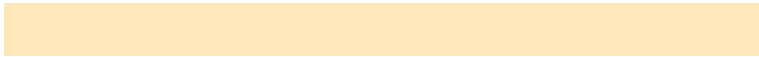
78.6788, 81.9570, 58.1268



71.2017, 81.9570, 122.4226

Square

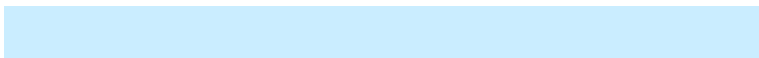
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6788, 81.9570, 58.1268



66.1022, 81.9570, 87.0261



77.1217, 81.9570, 129.8403



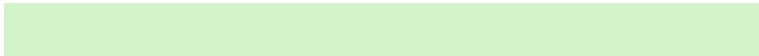
91.0189, 81.9570, 91.4855

Rectangle

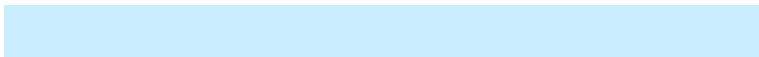
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6788, 81.9570, 58.1268



69.2082, 81.9570, 66.8113



77.1217, 81.9570, 129.8403



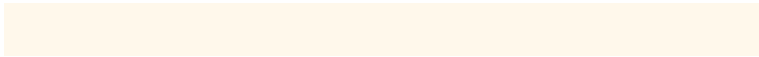
87.2856, 81.9570, 116.1919

Sweetspot

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



78.6808, 81.9607, 58.1285



89.7162, 94.3121, 91.7701



70.4510, 61.0393, 69.1402



18.9984, 19.9649, 18.9966



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

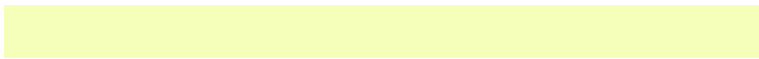
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6808, 81.9607, 58.1285



76.1880, 79.0255, 50.9763



82.1574, 94.4149, 60.3492



18.9984, 19.9649, 18.9966



28.8501, 25.7114, 3.4422



2.9113, 2.7080, 0.3693

Inverse Universe

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



61.3456, 63.7503, 103.6795



56.4401, 58.2858, 102.8833



58.4658, 54.1216, 101.9728



17.5196, 18.4107, 22.8802



11.4094, 7.7284, 50.3250



1.2085, 0.9476, 4.9325

Previews

White Background



This preview shows how the XYZ color 78.6788, 81.9570, 58.1268 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 78.6788, 81.9570, 58.1268 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 78.6788, 81.9570, 58.1268

Background



This preview shows how black text looks on a background with the XYZ color 78.6788, 81.9570, 58.1268.



This preview shows how white text looks on a background with the XYZ color 78.6788, 81.9570,

58.1268.

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

78.6788, 81.9570, 58.1268

Protanopia

76.8200, 81.8221, 58.7581

Deuteranopia

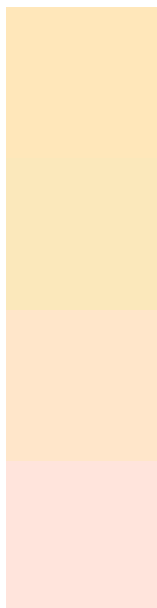
81.0172, 82.0018, 73.1859



Tritanopia

84.0163, 81.8847, 93.0385

Trichromacy



Original Color

78.6788, 81.9570, 58.1268

Protanomaly

77.6099, 81.8103, 58.7142

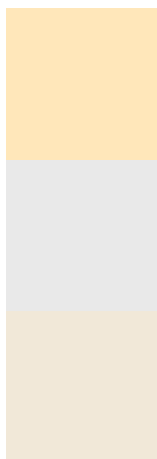
Deuteranomaly

80.1975, 82.1179, 67.5006

Tritanomaly

81.9017, 81.9141, 79.2045

Monochromacy



Original Color

78.6788, 81.9570, 58.1268

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5269, 81.3719, 76.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6788, 81.9570, 58.1268 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, 231, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 186)  
}
```

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, 231, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 186) }
```

Border

The CSS property to change the border of an element to XYZ 78.6788, 81.9570, 58.1268 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, 231, 186) }
```


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

```
.border{ border-color:rgb(255, 231, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6788, 81.9570, 58.1268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 186) }
```

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

```
.background{ background-color: rgb(255,  
231, 186) }
```

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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