

Converting Colors

XYZ(142.3630, 116.3126,
69.1187)

Have a look what the booklet for
XYZ(142.3630, 116.3126, 69.1187)
contains.

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Color

**XYZ(81.2571, 84.8002,
66.1182)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB7C
RGB	255, 235, 199
RGB Percent	100%, 92%, 78%
CMY	0.0000, 0.0784, 0.2196
CMYK	0.00, 0.08, 0.22, 0.00
HSL	39°, 100%, 89%
HSV	39°, 22%, 100%
XYZ	81.2571, 84.8002, 66.1182
YIQ	236.8760, 23.4760, -6.9560

Conversions

Conversions Part 2

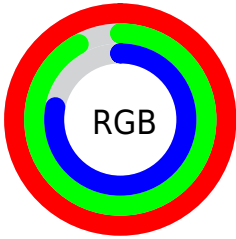
Format	Color
R _Y B	230, 255, 199
Decimal	16772039
CIE Lab	93.80, 1.28, 19.94
CIE LCh	94, 19.984, 86.320
Yxy	84.8002, 0.3500, 0.3652
Android (android.graphics.Color)	4294962119 (0xFFFFEBC7)
YUV	236.8760, -18.6729, 15.8947
Hunter-Lab	92.0870, -3.6448, 21.8909

Details

The XYZ color **81.2571, 84.8002, 66.1182** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.9340, 70.0231, 104.5957**, and the grayscale version is **80.5292, 84.7229, 92.2633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5196, 46.2903, 33.3765** is the 20% darker color. If you saturate the color by 10%, you get **76.0012, 78.6360, 50.9628**, and if you desaturate by 10%, it is **87.1468, 91.4372, 83.9345**.

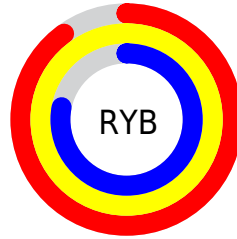
Distribution



Red (100%)

Green (92%)

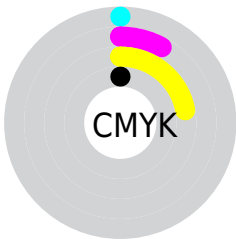
Blue (78%)



Red (90%)

Yellow (100%)

Blue (78%)

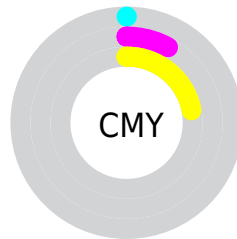


Cyan (0%)

Magenta (8%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2571, 84.8002, 66.1182 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 81.2571, 84.8002, 66.1182 by changing the saturation by 10% instead.

81.2571, 84.8002,
66.1182

81.2571, 84.8002,
66.1182

487.8316,
510.9667, 465.2152

61.0654, 63.6763,
47.9113

134.0730,
140.0940, 115.2846

44.5307, 46.3886,
33.3971

167.4279,
175.0327, 147.0811

31.2876, 32.5525,
22.1572

205.9012,
215.3451, 184.2446

20.9709, 21.7839,
13.7731

249.8582,
261.4156, 227.1936

13.2150, 13.6982,
7.8261

299.6645,
313.6286, 276.3466

7.6548, 7.9111,
3.8977

355.6852,

3.9248, 4.0381,

372.3686, 332.1222

1.5694

418.2858,
438.0198, 394.9389

■ 1.6597, 1.6949,
0.2688

■ 0.4308, 0.4203,
0.0000

■ 81.2571, 84.8002,
66.1182

■ 81.2571, 84.8002,
66.1182

■ 76.0012, 78.6360,
50.9628

■ 87.1468, 91.4372,
83.9345

■ 71.3461, 72.9195,
38.3323

■ 93.6890, 98.5489,
104.5280

■ 67.2651, 67.6397,
28.0863

■ 95.0500, 100.0000,
108.9000

■ 63.7266, 62.7807,
20.0689

■ 60.6953, 58.3251,
14.1049

■ 58.1311, 54.2531,
9.9930

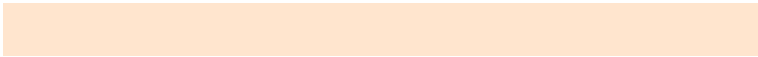
■ 55.9856, 50.5420,
7.4903

■ 54.5073, 47.7947,
6.3524

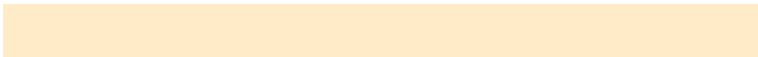
Harmonies

Analogous

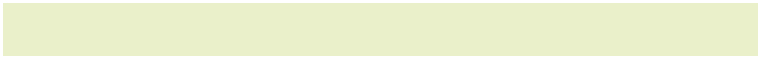
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3957, 84.8002, 70.0748



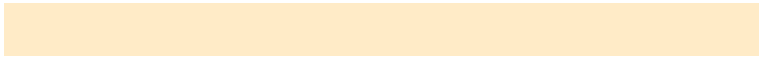
81.2571, 84.8002, 66.1182



76.1572, 84.8002, 68.5250

Triad

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



81.2571, 84.8002, 66.1182



71.7903, 84.8002, 105.9146



89.3985, 84.8002, 109.5165

Complementary

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



81.2571, 84.8002, 66.1182



66.9340, 70.0231, 104.5957

Split Complementary

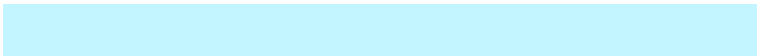
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2124, 84.8002, 121.1010



81.2571, 84.8002, 66.1182



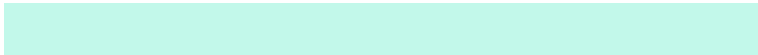
75.0695, 84.8002, 118.8663

Square

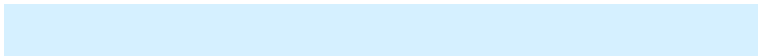
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2571, 84.8002, 66.1182



70.8342, 84.8002, 90.4690



79.9465, 84.8002, 124.6961



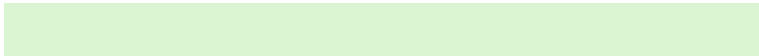
91.2246, 84.8002, 94.2224

Rectangle

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



81.2571, 84.8002, 66.1182



73.4391, 84.8002, 73.5748



79.9465, 84.8002, 124.6961



88.2120, 84.8002, 114.0359

Sweetspot

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



81.2592, 84.8039, 66.1200



90.3084, 94.9041, 93.7943



74.5206, 67.2504, 76.4404



19.2455, 20.2217, 19.8111



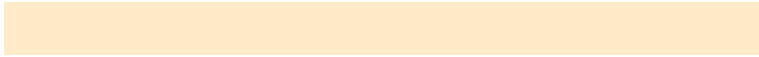
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



81.2592, 84.8039, 66.1200



79.0606, 82.2568, 59.6838



84.6153, 95.5149, 68.0105



18.9837, 19.9355, 18.9917



28.6275, 25.2663, 3.3680



2.8907, 2.6667, 0.3624

Inverse Universe

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



66.9340, 70.0231, 104.5957



62.5985, 65.2736, 103.9075



64.0577, 61.2567, 103.0553



17.5337, 18.4390, 22.8849



11.5159, 7.9413, 50.3605



1.2200, 0.9707, 4.9363

Previews

White Background



This preview shows how the XYZ color 81.2571, 84.8002, 66.1182 looks on a white background.

Color Contrast Check

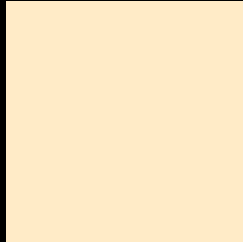
Large Text (above 18pt) WCAG AA × Fail

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 81.2571, 84.8002, 66.1182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

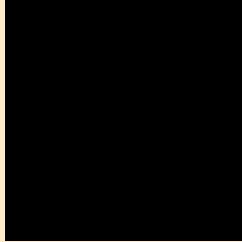
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2571, 84.8002, 66.1182

Background



This preview shows how black text looks on a background with the XYZ color 81.2571, 84.8002, 66.1182.



This preview shows how white text looks on a background with the XYZ color 81.2571, 84.8002,

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

81.2571, 84.8002, 66.1182

Protanopia

80.1339, 85.0625, 66.8388

Deuteranopia

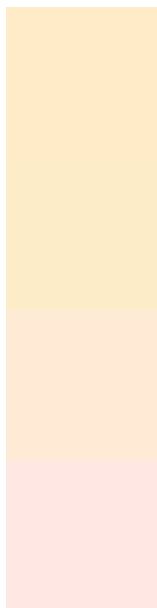
83.4301, 84.7583, 80.3694



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



Original Color

81.2571, 84.8002, 66.1182

Protanomaly

80.5657, 84.8565, 66.7763

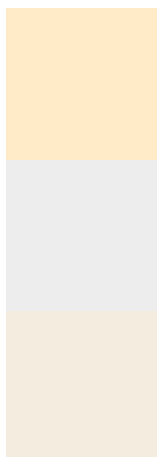
Deuteranomaly

82.6731, 84.9097, 74.9827

Tritanomaly

84.1002, 84.5747, 85.2908

Monochromacy



Original Color

81.2571, 84.8002, 66.1182

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6230, 84.5517, 81.8829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2571, 84.8002, 66.1182 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, 235, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 199)  
}
```

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, 235, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 199) }
```

Border

The CSS property to change the border of an element to XYZ 81.2571, 84.8002, 66.1182 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, 235, 199) }
```


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

```
.border{ border-color:rgb(255, 235, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2571, 84.8002, 66.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 199) }
```

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

```
.background{ background-color: rgb(255,  
235, 199) }
```

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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