

Converting Colors

XYZ(123.2816, 106.6596,
70.8540)

Have a look what the booklet for
XYZ(123.2816, 106.6596, 70.8540)
contains.

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Color

**XYZ(82.0149, 85.5627,
68.6925)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECCB
RGB	255, 236, 203
RGB Percent	100%, 93%, 80%
CMY	0.0000, 0.0745, 0.2039
CMYK	0.00, 0.07, 0.20, 0.00
HSL	38°, 100%, 90%
HSV	38°, 20%, 100%
XYZ	82.0149, 85.5627, 68.6925
YIQ	237.9190, 21.9170, -6.2350

Conversions

Conversions Part 2

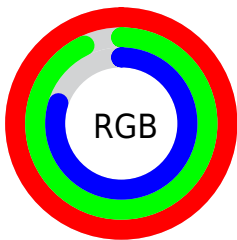
Format	Color
RYB	233, 255, 203
Decimal	16772299
CIELab	94.13, 1.34, 18.34
CIElCh	94, 18.387, 85.824
Yxy	85.5627, 0.3471, 0.3621
Android (android.graphics.Color)	4294962379 (0xFFFFECCB)
YUV	237.9190, -17.2151, 14.9800
Hunter-Lab	92.5001, -3.6088, 20.7201

Details

The XYZ color **82.0149, 85.5627, 68.6925** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.7992, 72.1569, 104.9093**, and the grayscale version is **81.3243, 85.5595, 93.1743**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0348, 46.8182, 35.0970** is the 20% darker color. If you saturate the color by 10%, you get **76.6108, 79.2241, 53.1117**, and if you desaturate by 10%, it is **88.0630, 92.3885, 86.9559**.

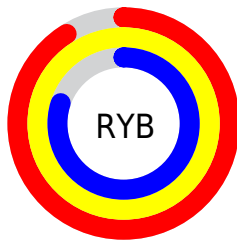
Distribution



Red (100%)

Green (93%)

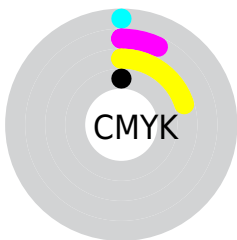
Blue (80%)



Red (91%)

Yellow (100%)

Blue (80%)

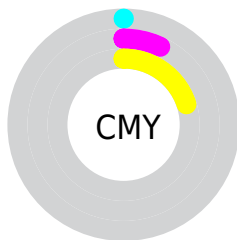


Cyan (0%)

Magenta (7%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.0149, 85.5627, 68.6925 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 82.0149, 85.5627, 68.6925 by changing the saturation by 10% instead.


 82.0149, 85.5627,
68.6925

 82.0149, 85.5627,
68.6925


490.3313,
513.4882, 474.6102

 61.6920, 64.3064,
49.9911

135.1306,
141.1591, 119.0058

 45.0385, 46.8989,
35.0352


168.6541,
176.2680, 151.4549

 31.6892, 32.9557,
23.4062

207.3085,
216.7632, 189.3235

 21.2786, 22.0925,
14.6856

251.4591,
263.0292, 233.0304

 13.4414, 13.9249,
8.4549

301.4714,
315.4503, 282.9939

 7.8123, 8.0685,
4.2955

357.7106,

 4.0259, 4.1388,

374.4109, 339.6327

1.7888

420.5421,
440.2954, 403.3653

■ 1.7168, 1.7515,
0.4205

■ 0.4667, 0.4567,
0.0000

■ 82.0149, 85.5627,
68.6925

■ 82.0149, 85.5627,
68.6925

■ 76.6108, 79.2241,
53.1117

■ 88.0630, 92.3885,
86.9559

■ 71.8179, 73.3475,
40.0788

94.7735, 99.7035,
108.0171

■ 67.6096, 67.9217,
29.4557

95.0500, 100.0000,
108.9000

■ 63.9546, 62.9307,
21.0885

■ 60.8183, 58.3570,
14.8056

■ 58.1611, 54.1810,
10.4104

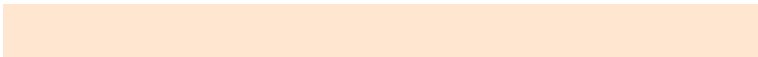
■ 55.9362, 50.3801,
7.6680

■ 54.1348, 47.0495,
6.2283

Harmonies

Analogous

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



86.7499, 85.5627, 72.5173



82.0149, 85.5627, 68.6925



77.2771, 85.5627, 70.8623

Triad

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



82.0149, 85.5627, 68.6925



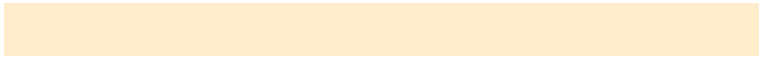
73.1111, 85.5627, 105.4577



89.3967, 85.5627, 109.2091

Complementary

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



82.0149, 85.5627, 68.6925



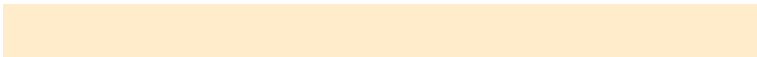
68.7992, 72.1569, 104.9093

Split Complementary

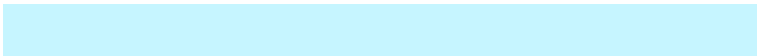
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5114, 85.5627, 119.7115



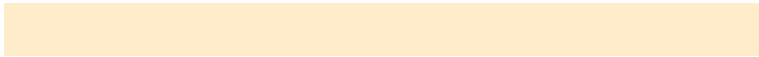
82.0149, 85.5627, 68.6925



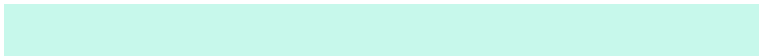
76.1307, 85.5627, 117.3971

Square

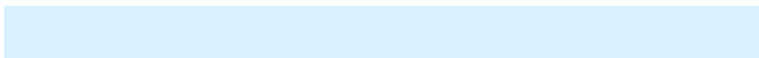
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0149, 85.5627, 68.6925



72.2587, 85.5627, 91.2062



80.6385, 85.5627, 122.8483



91.1191, 85.5627, 95.1481

Rectangle

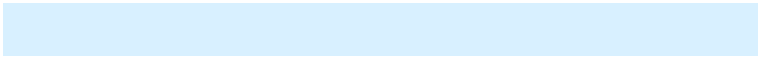
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0149, 85.5627, 68.6925



74.7333, 85.5627, 75.5463



80.6385, 85.5627, 122.8483



88.2928, 85.5627, 113.3259

Sweetspot

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



82.0170, 85.5664, 68.6943



90.9266, 95.5394, 95.8532



75.7903, 69.2503, 78.5270



19.3691, 20.3477, 20.2259



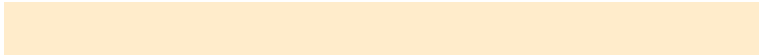
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

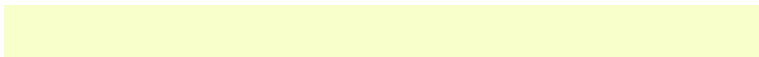
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0170, 85.5664, 68.6943



79.9937, 83.2232, 62.7688



85.2748, 95.8006, 70.4980



18.9707, 19.9095, 18.9874



28.4338, 24.8788, 3.3035



2.8726, 2.6307, 0.3564

Inverse Universe

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



68.7992, 72.1569, 104.9093



64.8424, 67.8540, 104.2873



65.9662, 63.6248, 103.4118



17.5462, 18.4641, 22.8891



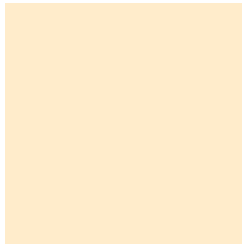
11.6129, 8.1353, 50.3928



1.2304, 0.9916, 4.9398

Previews

White Background



This preview shows how the XYZ color 82.0149, 85.5627, 68.6925 looks on a white background.

Color Contrast Check

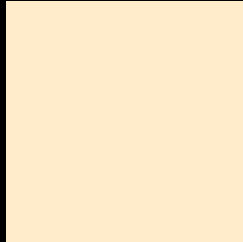
Large Text (above 18pt) WCAG AA × Fail

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 82.0149, 85.5627, 68.6925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

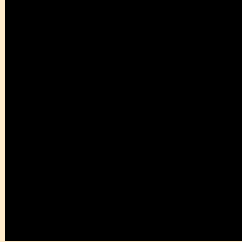
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.0149, 85.5627, 68.6925

Background



This preview shows how black text looks on a background with the XYZ color 82.0149, 85.5627, 68.6925.

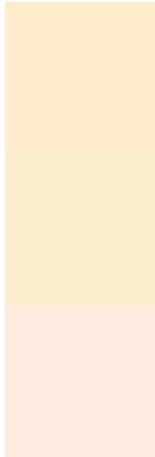


This preview shows how white text looks on a background with the XYZ color 82.0149, 85.5627,

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

82.0149, 85.5627, 68.6925

Protanopia

80.8980, 85.8327, 69.4303

Deuteranopia

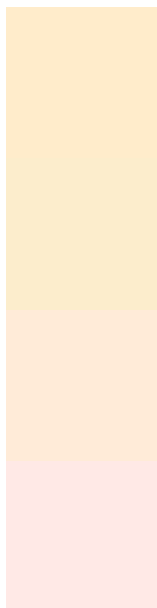
83.9821, 85.4334, 81.8760



Tritanopia

86.5780, 85.5658, 98.3389

Trichromacy



Original Color

82.0149, 85.5627, 68.6925

Protanomaly

81.3282, 85.6235, 69.3673

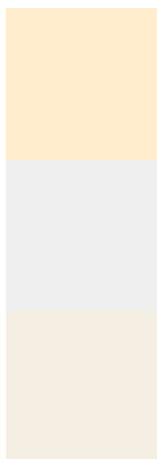
Deuteranomaly

83.3430, 85.6345, 77.1022

Tritanomaly

84.6618, 85.2510, 86.8558

Monochromacy



Original Color

82.0149, 85.5627, 68.6925

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.1830, 85.2377, 83.4079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0149, 85.5627, 68.6925 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, 236, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 203)  
}
```

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, 236, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 203) }
```

Border

The CSS property to change the border of an element to XYZ 82.0149, 85.5627, 68.6925 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, 236, 203) }
```


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

```
.border{ border-color:rgb(255, 236, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0149, 85.5627, 68.6925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 203) }
```

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

```
.background{ background-color: rgb(255,  
236, 203) }
```

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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