

Converting Colors

XYZ(87.4543, 89.5196, 68.8915)

Have a look what the booklet for
XYZ(87.4543, 89.5196, 68.8915)
contains.

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Color

**XYZ(82.8860, 87.3048,
68.9829)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFCB
RGB	255, 239, 203
RGB Percent	100%, 94%, 80%
CMY	0.0000, 0.0627, 0.2039
CMYK	0.00, 0.06, 0.20, 0.00
HSL	42°, 100%, 90%
HSV	42°, 20%, 100%
XYZ	82.8860, 87.3048, 68.9829
YIQ	239.6800, 21.0920, -7.8040

Conversions

Conversions Part 2

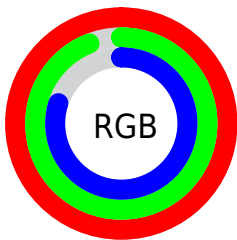
Format	Color
R_{YB}	226, 255, 203
Decimal	16773067
CIE _{Lab}	94.87, -0.18, 19.38
CIE _{LCh}	95, 19.378, 90.537
Yxy	87.3048, 0.3466, 0.3650
Android (android.graphics.Color)	4294963147 (0xFFFFEFCB)
YUV	239.6800, -18.0832, 13.4356
Hunter-Lab	93.4370, -5.1713, 21.6332

Details

The XYZ color **82.8860, 87.3048, 68.9829** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.0095, 70.5776, 104.6461**, and the grayscale version is **82.7014, 87.0083, 94.7520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6470, 48.0427, 35.3011** is the 20% darker color. If you saturate the color by 10%, you get **77.8475, 81.6975, 53.5240**, and if you desaturate by 10%, it is **88.5282, 93.3190, 87.1111**.

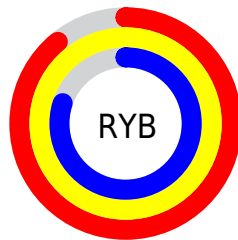
Distribution



Red (100%)

Green (94%)

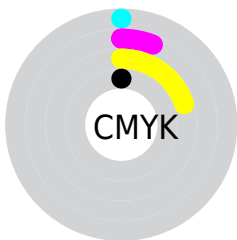
Blue (80%)



Red (89%)

Yellow (100%)

Blue (80%)

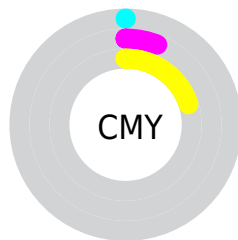


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.8860, 87.3048, 68.9829 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 82.8860, 87.3048, 68.9829 by changing the saturation by 10% instead.


 82.8860, 87.3048,
68.9829

 82.8860, 87.3048,
68.9829


493.1962,
519.2239, 475.6630

 62.4127, 65.7475,
50.2261


136.3451,
143.5889, 119.4246

 45.6231, 48.0674,
35.2207


170.0617,
179.0845, 151.9466

 32.1519, 33.8803,
23.5480

208.9234,
219.9949, 189.8941

 21.6336, 22.8017,
14.7896

253.2955,
266.7046, 233.6857

 13.7030, 14.4471,
8.5269

303.5436,
319.5980, 283.7398

 7.9947, 8.4323,
4.3413

360.0328,

 4.1434, 4.3728,

379.0594, 340.4750

1.8144

423.1285,
445.4732, 404.3099

■ 1.7836, 1.8842,
0.4374

■ 0.5077, 0.5389,
0.0000

■ 82.8860, 87.3048,
68.9829

■ 82.8860, 87.3048,
68.9829

■ 77.8475, 81.6975,
53.5240

■ 88.5282, 93.3190,
87.1111

■ 73.3808, 76.4734,
40.5999

94.7919, 99.7402,
108.0233

■ 69.4603, 71.6231,
30.0726

95.0500, 100.0000,
108.9000

■ 66.0555, 67.1326,
21.7888

■ 63.1328, 62.9860,
15.5771

■ 60.6536, 59.1659,
11.2412

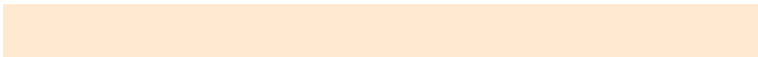
■ 58.5720, 55.6518,
8.5466

■ 56.8766, 52.5333,
7.1422

Harmonies

Analogous

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



88.0454, 87.3048, 72.0453



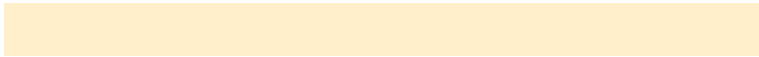
82.8860, 87.3048, 68.9829



77.9566, 87.3048, 72.2708

Triad

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



82.8860, 87.3048, 68.9829



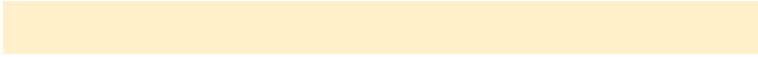
74.5863, 87.3048, 110.5187



92.0836, 87.3048, 110.0005

Complementary

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



82.8860, 87.3048, 68.9829



68.0095, 70.5776, 104.6461

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.



88.2160, 87.3048, 122.1976



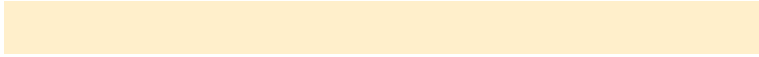
82.8860, 87.3048, 68.9829



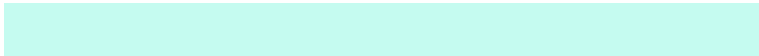
78.1139, 87.3048, 122.5183

Square

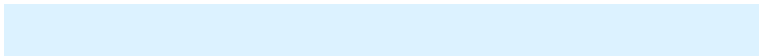
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8860, 87.3048, 68.9829



73.2903, 87.3048, 95.3314



83.0753, 87.3048, 126.9982



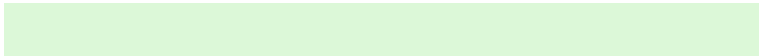
93.4895, 87.3048, 94.7893

Rectangle

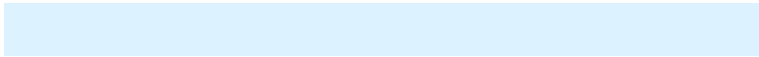
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8860, 87.3048, 68.9829



75.4287, 87.3048, 77.8441



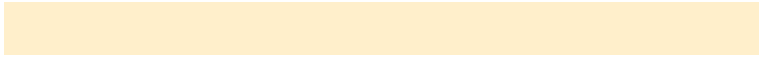
83.0753, 87.3048, 126.9982



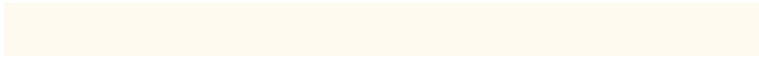
91.0204, 87.3048, 114.6439

Sweetspot

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



82.8881, 87.3086, 68.9847



91.2007, 96.0875, 95.9446



75.4443, 69.1120, 76.7049



19.4340, 20.4775, 20.2475



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

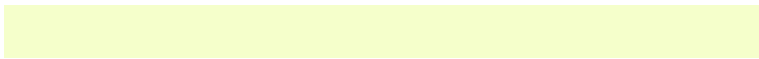
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8881, 87.3086, 68.9847



81.0013, 85.2383, 63.1047



84.3591, 95.3285, 70.4552



19.0621, 20.0924, 19.0179



29.8578, 27.7268, 3.7781



3.0041, 2.8936, 0.4002

Inverse Universe

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



68.0095, 70.5776, 104.6461



63.9466, 66.0625, 103.9887



66.7123, 64.0095, 103.4467



17.4587, 18.2889, 22.8599



10.9865, 6.8826, 50.1840



1.1616, 0.8539, 4.9169

Previews

White Background



This preview shows how the XYZ color 82.8860, 87.3048, 68.9829 looks on a white background.

Color Contrast Check

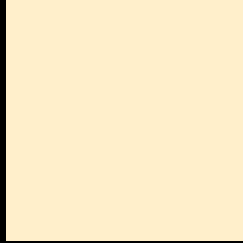
Large Text (above 18pt) WCAG AA × Fail

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 82.8860, 87.3048, 68.9829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

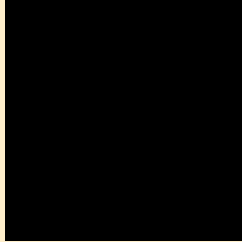
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.8860, 87.3048, 68.9829

Background



This preview shows how black text looks on a background with the XYZ color 82.8860, 87.3048, 68.9829.



This preview shows how white text looks on a background with the XYZ color 82.8860, 87.3048,

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

82.8860, 87.3048, 68.9829

Protanopia

82.4476, 87.5146, 69.0465

Deuteranopia

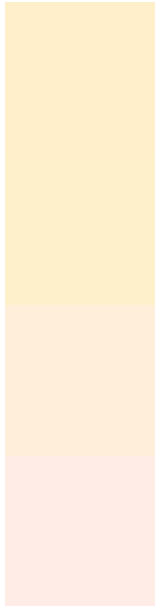
85.3893, 87.3744, 85.0375



Tritanopia

87.7368, 87.3921, 100.2398

Trichromacy



Original Color

82.8860, 87.3048, 68.9829

Protanomaly

82.8126, 87.7028, 69.0636

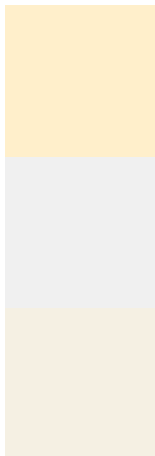
Deuteranomaly

84.4694, 87.4710, 78.7612

Tritanomaly

85.6593, 87.0204, 87.8832

Monochromacy



Original Color

82.8860, 87.3048, 68.9829

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.6814, 87.2787, 85.1617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8860, 87.3048, 68.9829 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, 239, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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, 239, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 203) }
```

Border

The CSS property to change the border of an element to XYZ 82.8860, 87.3048, 68.9829 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, 239, 203) }
```


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

```
.border{ border-color:rgb(255, 239, 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, 239, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8860, 87.3048, 68.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 203) }
```

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

```
.background{ background-color: rgb(255,  
239, 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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