

Converting Colors

XYZ(108.7121, 100.0000,
70.3057)

Have a look what the booklet for
XYZ(108.7121, 100.0000, 70.3057)
contains.

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Color

**XYZ(82.5940, 86.7209,
68.8855)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEECB
RGB	255, 238, 203
RGB Percent	100%, 93%, 80%
CMY	0.0000, 0.0666, 0.2039
CMYK	0.00, 0.07, 0.20, 0.00
HSL	40°, 100%, 90%
HSV	40°, 20%, 100%
XYZ	82.5940, 86.7209, 68.8855
YIQ	239.0930, 21.3670, -7.2810

Conversions

Conversions Part 2

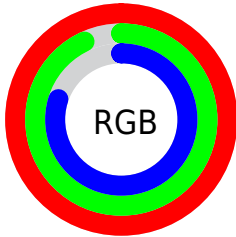
Format	Color
R_{YB}	228, 255, 203
Decimal	16772811
CIE _{Lab}	94.62, 0.32, 19.03
CIE _{LCh}	95, 19.033, 89.023
Yxy	86.7209, 0.3467, 0.3641
Android (android.graphics.Color)	4294962891 (0xFFFFEECB)
YUV	239.0930, -17.7938, 13.9504
Hunter-Lab	93.1241, -4.6511, 21.3290

Details

The XYZ color **82.5940, 86.7209, 68.8855** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.2711, 71.1008, 104.7333**, and the grayscale version is **82.2409, 86.5238, 94.2244**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4415, 47.6316, 35.2326** is the 20% darker color. If you saturate the color by 10%, you get **77.4318, 80.8660, 53.3853**, and if you desaturate by 10%, it is **88.3727, 93.0080, 87.0592**.

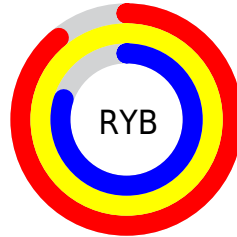
Distribution



Red (100%)

Green (93%)

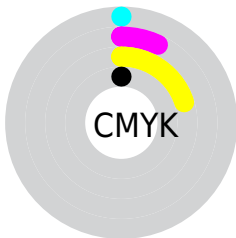
Blue (80%)



Red (89%)

Yellow (100%)

Blue (80%)

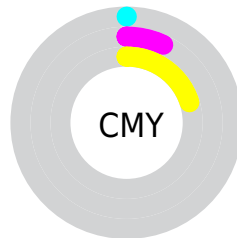


Cyan (0%)

Magenta (7%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.5940, 86.7209, 68.8855 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 82.5940, 86.7209, 68.8855 by changing the saturation by 10% instead.


 82.5940, 86.7209,
68.8855

 82.5940, 86.7209,
68.8855


492.2369,
517.3053, 475.3100

 62.1711, 65.2643,
50.1473


135.9382,
142.7751, 119.2842

 45.4270, 47.6754,
35.1584


169.5901,
178.1414, 151.7817

 31.9966, 33.5699,
23.5004


208.3824,
218.9130, 189.7028

 21.5145, 22.5634,
14.7547

252.6804,
265.4744, 233.4660

 13.6152, 14.2714,
8.5027

302.8495,
318.2100, 283.4897

 7.9334, 8.3097,
4.3259

359.2550,

 4.1038, 4.2938,

377.5040, 340.1926

1.8058

422.2624,
443.7410, 403.9932

■ 1.7610, 1.8392,
0.4318

■ 0.4940, 0.5114,
0.0000

■ 82.5940, 86.7209,
68.8855

■ 82.5940, 86.7209,
68.8855

■ 77.4318, 80.8660,
53.3853

■ 88.3727, 93.0080,
87.0592

■ 72.8537, 75.4192,
40.4241

94.7857, 99.7279,
108.0211

■ 68.8340, 70.3705,
29.8638

95.0500, 100.0000,
108.9000

■ 65.3419, 65.7053,
21.5509

■ 62.3435, 61.4074,
15.3140

■ 59.7999, 57.4586,
10.9566

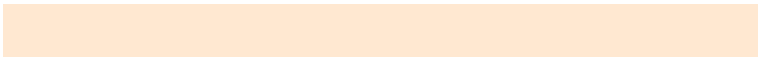
■ 57.6650, 53.8377,
8.2442

■ 55.9285, 50.6370,
6.8262

Harmonies

Analogous

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



87.6112, 86.7209, 72.2014



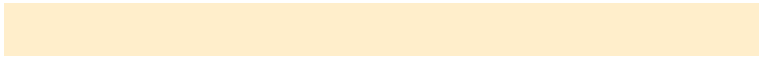
82.5940, 86.7209, 68.8855



77.7288, 86.7209, 71.7992

Triad

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



82.5940, 86.7209, 68.8855



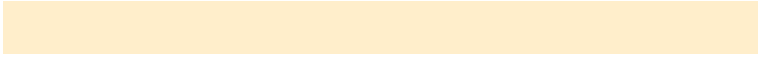
74.0921, 86.7209, 108.8144



91.1816, 86.7209, 109.7345

Complementary

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



82.5940, 86.7209, 68.8855



68.2711, 71.1008, 104.7333

Split Complementary

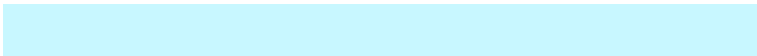
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3080, 86.7209, 121.3637



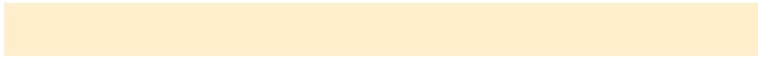
82.5940, 86.7209, 68.8855



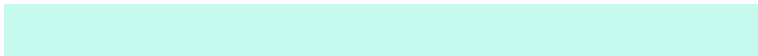
77.4488, 86.7209, 120.7949

Square

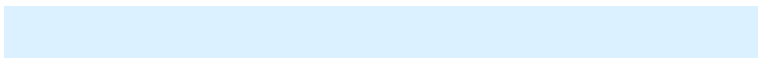
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5940, 86.7209, 68.8855



72.9448, 86.7209, 93.9432



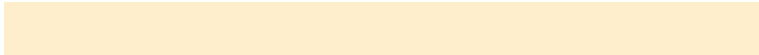
82.2575, 86.7209, 125.6039



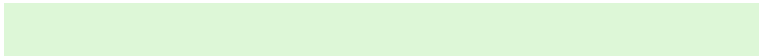
92.6942, 86.7209, 94.9071

Rectangle

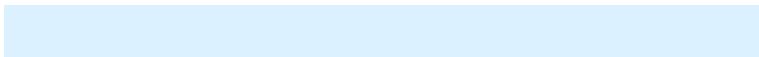
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5940, 86.7209, 68.8855



75.1957, 86.7209, 77.0732



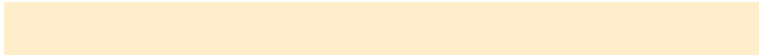
82.2575, 86.7209, 125.6039



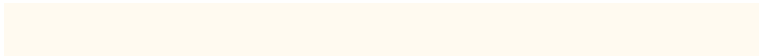
90.1047, 86.7209, 114.2017

Sweetspot

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



82.5961, 86.7247, 68.8873



91.1092, 95.9045, 95.9141



75.5590, 69.1578, 77.3091



19.4123, 20.4342, 20.2403



0.0000, 0.0000, 0.0000



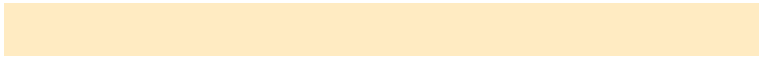
20.3446, 21.4041, 23.3091

Same Dimension

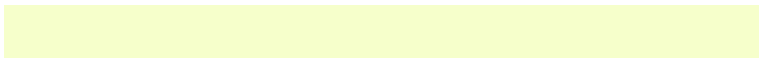
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5961, 86.7247, 68.8873



80.6632, 84.5622, 62.9920



84.6629, 95.4851, 70.4693



19.0316, 20.0313, 19.0077



29.3658, 26.7428, 3.6141



2.9589, 2.8033, 0.3851

Inverse Universe

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



68.2711, 71.1008, 104.7333



64.2430, 66.6553, 104.0875



66.4622, 63.8805, 103.4350



17.4878, 18.3472, 22.8696



11.1816, 7.2728, 50.2490



1.1834, 0.8976, 4.9241

Previews

White Background



This preview shows how the XYZ color 82.5940, 86.7209, 68.8855 looks on a white background.

Color Contrast Check

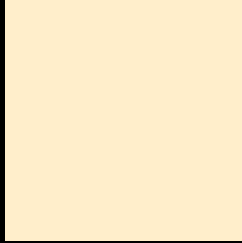
Large Text (above 18pt) WCAG AA × Fail

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 82.5940, 86.7209, 68.8855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

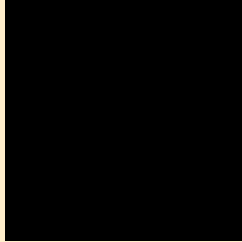
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.5940, 86.7209, 68.8855

Background



This preview shows how black text looks on a background with the XYZ color 82.5940, 86.7209, 68.8855.



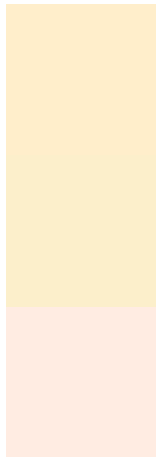
This preview shows how white text looks on a background with the XYZ color 82.5940, 86.7209,

68.8855.

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

82.5940, 86.7209, 68.8855

Protanopia

81.7909, 86.7402, 68.9316

Deuteranopia

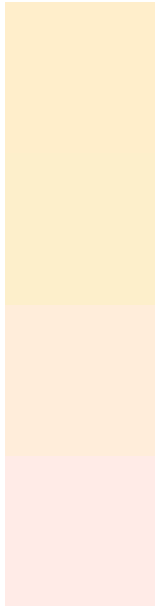
84.9629, 86.7419, 84.2163



Tritanopia

87.4513, 86.8210, 100.1446

Trichromacy



Original Color

82.5940, 86.7209, 68.8855

Protanomaly

82.1540, 86.9274, 68.9486

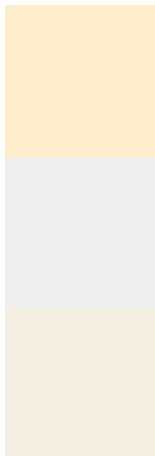
Deuteranomaly

84.1791, 86.8903, 78.6645

Tritanomaly

85.3721, 86.4462, 87.7875

Monochromacy



Original Color

82.5940, 86.7209, 68.8855

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.2502, 86.6365, 84.3390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.5940, 86.7209, 68.8855 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, 238, 203) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 203) }
```

Border

The CSS property to change the border of an element to XYZ 82.5940, 86.7209, 68.8855 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, 238, 203) }
```


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

```
.border{ border-color:rgb(255, 238, 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, 238, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 82.5940, 86.7209, 68.8855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 203) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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