

Converting Colors

XYZ(82.2406, 86.1170, 68.4501)

Have a look what the booklet for
XYZ(82.2406, 86.1170, 68.4501)
contains.

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Color

**XYZ(82.1849, 86.0926,
68.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDCA
RGB	255, 237, 202
RGB Percent	100%, 93%, 79%
CMY	0.0000, 0.0706, 0.2078
CMYK	0.00, 0.07, 0.21, 0.00
HSL	40°, 100%, 90%
HSV	40°, 21%, 100%
XYZ	82.1849, 86.0926, 68.1630
YIQ	238.3920, 21.9630, -7.0690

Conversions

Conversions Part 2

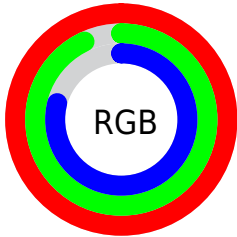
Format	Color
R_{YB}	229, 255, 202
Decimal	16772554
CIE _{Lab}	94.35, 0.69, 19.17
CIE _{LCh}	94, 19.184, 87.940
Yxy	86.0926, 0.3476, 0.3641
Android (android.graphics.Color)	4294962634 (0xFFFFEDCA)
YUV	238.3920, -17.9413, 14.5652
Hunter-Lab	92.7861, -4.2700, 21.3943

Details

The XYZ color **82.1849, 86.0926, 68.1630** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.9997, 70.9610, 104.7206**, and the grayscale version is **81.6963, 85.9509, 93.6005**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1579, 47.1916, 34.7458** is the 20% darker color. If you saturate the color by 10%, you get **76.9656, 80.0932, 52.7381**, and if you desaturate by 10%, it is **88.0281, 92.5410, 86.2594**.

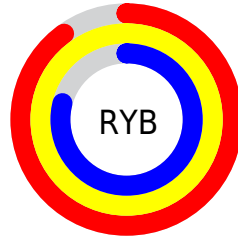
Distribution



Red (100%)

Green (93%)

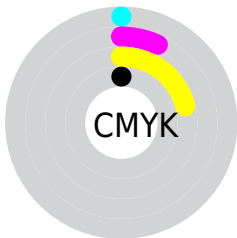
Blue (79%)



Red (90%)

Yellow (100%)

Blue (79%)

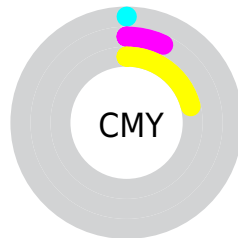


Cyan (0%)

Magenta (7%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.1849, 86.0926, 68.1630 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 82.1849, 86.0926, 68.1630 by changing the saturation by 10% instead.


 82.1849, 86.0926,
68.1630

 82.1849, 86.0926,
68.1630


490.8911,
515.2365, 472.6871

 61.8326, 64.7445,
49.5628


135.3677,
141.8987, 118.2417

 45.1525, 47.2540,
34.6974


168.9290,
177.1255, 150.5573

 31.7794, 33.2365,
23.1482


207.6239,
217.7474, 188.2819

 21.3478, 22.3077,
14.4966

251.8178,
264.1488, 231.8339

 13.4924, 14.0831,
8.3242

301.8762,
316.7140, 281.6318

 7.8478, 8.1785,
4.2124

358.1642,

 4.0487, 4.2094,

375.8274, 338.0943

1.7426

421.0474,
441.8734, 401.6399

■ 1.7297, 1.7914,
0.3897

■ 0.4748, 0.4818,
0.0000

■ 82.1849, 86.0926,
68.1630

■ 82.1849, 86.0926,
68.1630

■ 76.9656, 80.0932,
52.7381

■ 88.0281, 92.5410,
86.2594

■ 72.3382, 74.5186,
39.8498

■ 94.5139, 99.4399,
107.1425

■ 68.2763, 69.3585,
29.3595

■ 95.0500, 100.0000,
108.9000

■ 64.7490, 64.5975,
21.1130

■ 61.7220, 60.2192,
14.9379

■ 59.1559, 56.2047,
10.6367

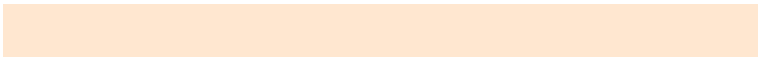
■ 57.0040, 52.5325,
7.9726

■ 55.3208, 49.4217,
6.6236

Harmonies

Analogous

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



87.1972, 86.0926, 71.7047



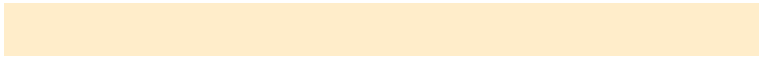
82.1849, 86.0926, 68.1630



77.2766, 86.0926, 70.8554

Triad

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



82.1849, 86.0926, 68.1630



73.3897, 86.0926, 107.6632



90.5093, 86.0926, 109.6113

Complementary

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



82.1849, 86.0926, 68.1630



67.9997, 70.9610, 104.7206

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.



86.5555, 86.0926, 121.0877



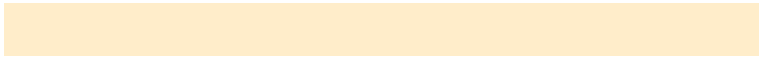
82.1849, 86.0926, 68.1630



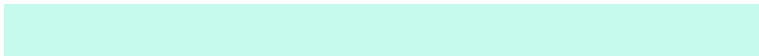
76.6847, 86.0926, 119.8826

Square

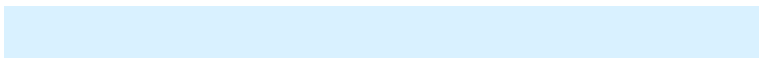
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1849, 86.0926, 68.1630



72.3276, 86.0926, 92.7245



81.4730, 86.0926, 125.0280



92.1269, 86.0926, 94.7633

Rectangle

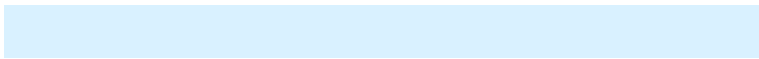
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1849, 86.0926, 68.1630



74.6957, 86.0926, 75.9991



81.4730, 86.0926, 125.0280



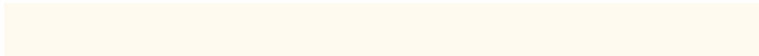
89.4014, 86.0926, 114.0475

Sweetspot

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



82.1869, 86.0963, 68.1648



91.0488, 95.7838, 95.8939



75.3524, 68.6985, 77.3822



19.3980, 20.4056, 20.2355



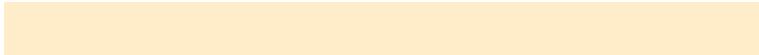
0.0000, 0.0000, 0.0000



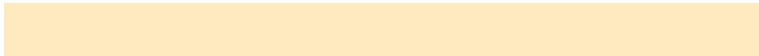
20.3446, 21.4041, 23.3091

Same Dimension

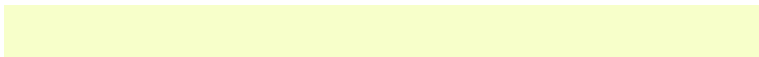
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1869, 86.0963, 68.1648



79.9112, 83.5120, 61.3422



84.7964, 95.5677, 69.8554



19.0114, 19.9910, 19.0010



29.0503, 26.1118, 3.5090



2.9298, 2.7451, 0.3754

Inverse Universe

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



67.9997, 70.9610, 104.7206



63.3665, 65.8641, 103.9810



65.7355, 63.1565, 103.3335



17.5071, 18.3857, 22.8760



11.3180, 7.5455, 50.2945



1.1985, 0.9276, 4.9292

Previews

White Background



This preview shows how the XYZ color 82.1849, 86.0926, 68.1630 looks on a white background.

Color Contrast Check

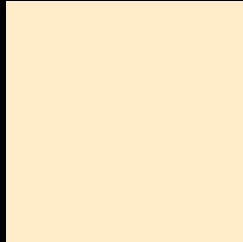
Large Text (above 18pt) WCAG AA × Fail

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 82.1849, 86.0926, 68.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

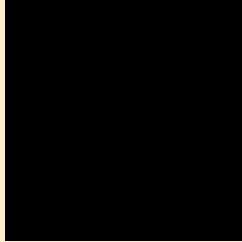
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1849, 86.0926, 68.1630

Background



This preview shows how black text looks on a background with the XYZ color 82.1849, 86.0926, 68.1630.



This preview shows how white text looks on a background with the XYZ color 82.1849, 86.0926,

68.1630.

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

82.1849, 86.0926, 68.1630

Protanopia

81.1377, 85.9701, 68.8174

Deuteranopia

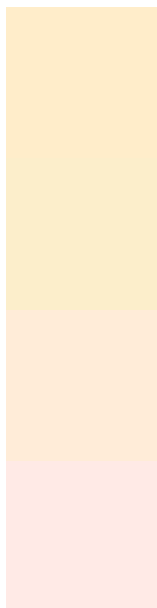
84.4029, 86.0585, 82.6834



Tritanopia

87.0135, 86.1916, 99.2393

Trichromacy



Original Color

82.1849, 86.0926, 68.1630

Protanomaly

81.4989, 86.1563, 68.8343

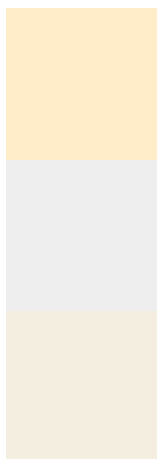
Deuteranomaly

83.6301, 86.2088, 77.1979

Tritanomaly

84.9457, 85.8188, 86.9505

Monochromacy



Original Color

82.1849, 86.0926, 68.1630

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.4734, 85.8184, 83.5047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1849, 86.0926, 68.1630 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, 237, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 202)  
}
```

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, 237, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 202) }
```

Border

The CSS property to change the border of an element to XYZ 82.1849, 86.0926, 68.1630 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, 237, 202) }
```


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

```
.border{ border-color:rgb(255, 237, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1849, 86.0926, 68.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 202) }
```

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

```
.background{ background-color: rgb(255,  
237, 202) }
```

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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