

Converting Colors

XYZ(84.1611, 87.5518, 69.8247)

Have a look what the booklet for
XYZ(84.1611, 87.5518, 69.8247)
contains.

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Color

**XYZ(82.7136, 86.7687,
69.5153)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEECC
RGB	255, 238, 204
RGB Percent	100%, 93%, 80%
CMY	0.0000, 0.0666, 0.2000
CMYK	0.00, 0.07, 0.20, 0.00
HSL	40°, 100%, 90%
HSV	40°, 20%, 100%
XYZ	82.7136, 86.7687, 69.5153
YIQ	239.2070, 21.0460, -6.9700

Conversions

Conversions Part 2

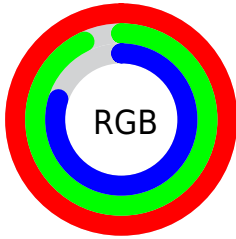
Format	Color
R _Y B	230, 255, 204
Decimal	16772812
CIE Lab	94.64, 0.47, 18.54
CIE LCh	95, 18.550, 88.557
Yxy	86.7687, 0.3461, 0.3631
Android (android.graphics.Color)	4294962892 (0xFFFFEECC)
YUV	239.2070, -17.3571, 13.8505
Hunter-Lab	93.1497, -4.5104, 20.9582

Details

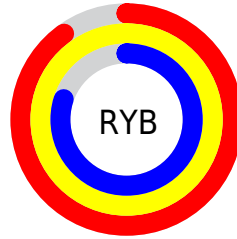
The XYZ color **82.7136, 86.7687, 69.5153** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.8077, 71.7682, 104.8338**, and the grayscale version is **82.3266, 86.6140, 94.3226**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5217, 47.6637, 35.6549** is the 20% darker color. If you saturate the color by 10%, you get **77.4868, 80.8154, 53.8991**, and if you desaturate by 10%, it is **88.5622, 93.1635, 87.8113**.

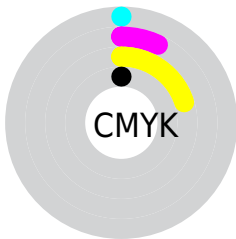
Distribution



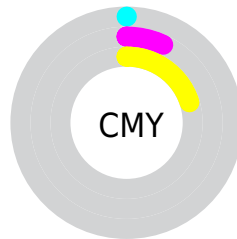
- Red (100%)
- Green (93%)
- Blue (80%)



- Red (90%)
- 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 82.7136, 86.7687, 69.5153 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 82.7136, 86.7687, 69.5153 by changing the saturation by 10% instead.

 82.7136, 86.7687,
69.5153

 82.7136, 86.7687,
69.5153


492.6299,
517.4625, 477.5894

 62.2700, 65.3038,
50.6571

136.1049,
142.8417, 120.1919

 45.5073, 47.7075,
35.5610


169.7833,
178.2186, 152.8474

 32.0602, 33.5953,
23.8083

208.6040,
219.0016, 190.9391

 21.5633, 22.5829,
14.9806

252.9324,
265.5752, 234.8855

 13.6511, 14.2858,
8.6593

303.1339,
318.3237, 285.1052

 7.9585, 8.3197,
4.4259

359.5737,

 4.1200, 4.3002,

377.6314, 342.0167

1.8618

422.6172,
443.8829, 406.0386

■ 1.7702, 1.8429,
0.4682

■ 0.4996, 0.5137,
0.0000

■ 82.7136, 86.7687,
69.5153

■ 82.7136, 86.7687,
69.5153

■ 77.4868, 80.8154,
53.8991

■ 88.5622, 93.1635,
87.8113

■ 72.8495, 75.2792,
40.8286

95.0500, 100.0000,
108.9000

■ 68.7760, 70.1502,
30.1661

■ 65.2354, 65.4135,
21.7587

■ 62.1940, 61.0527,
15.4357

■ 59.6129, 57.0496,
11.0019

■ 57.4462, 53.3830,
8.2245

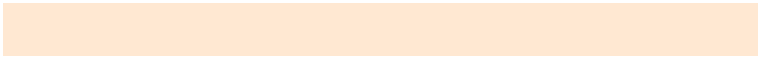
■ 55.6202, 50.0203,
6.7234

■ 55.6201, 50.0201,
6.7234

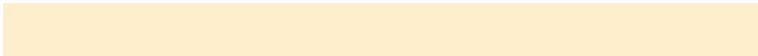
Harmonies

Analogous

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



87.5938, 86.7687, 72.8589



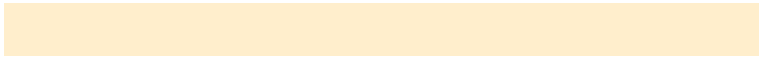
82.7136, 86.7687, 69.5153



77.9556, 86.7687, 72.2768

Triad

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



82.7136, 86.7687, 69.5153



74.3037, 86.7687, 108.2737



90.9571, 86.7687, 109.5954

Complementary

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



82.7136, 86.7687, 69.5153



68.8077, 71.7682, 104.8338

Split Complementary

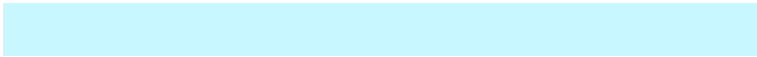
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1576, 86.7687, 120.8113



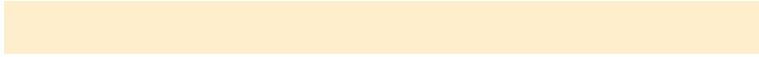
82.7136, 86.7687, 69.5153



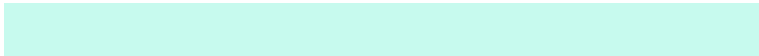
77.5521, 86.7687, 119.9955

Square

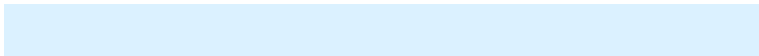
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7136, 86.7687, 69.5153



73.2197, 86.7687, 93.7841



82.2290, 86.7687, 124.7943



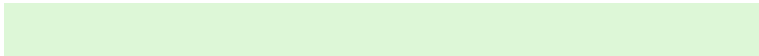
92.4706, 86.7687, 95.1720

Rectangle

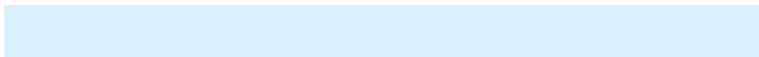
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7136, 86.7687, 69.5153



75.4653, 86.7687, 77.3831



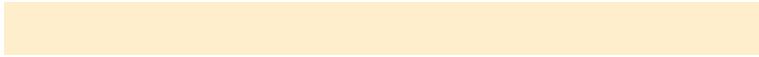
82.2290, 86.7687, 124.7943



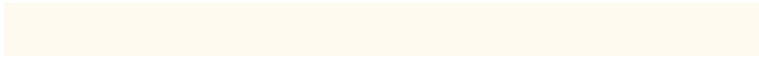
89.8975, 86.7687, 113.9178

Sweetspot

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



82.7157, 86.7725, 69.5171



91.0787, 95.8436, 95.9039



75.8846, 69.6672, 77.8551



19.4051, 20.4197, 20.2379



0.0000, 0.0000, 0.0000



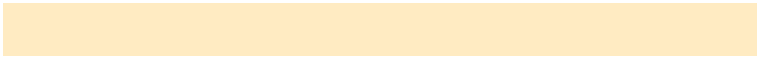
20.3446, 21.4041, 23.3091

Same Dimension

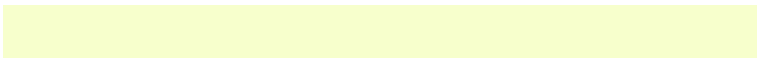
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7157, 86.7725, 69.5171



80.5510, 84.3378, 62.9546



84.8411, 95.5632, 71.1019



19.0214, 20.0110, 19.0043



29.2057, 26.4226, 3.5608



2.9442, 2.7738, 0.3802

Inverse Universe

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



68.8077, 71.7682, 104.8338



64.3423, 66.8539, 104.1206



66.9395, 64.4784, 103.5252



17.4975, 18.3666, 22.8728



11.2496, 7.4089, 50.2717



1.1910, 0.9126, 4.9267

Previews

White Background



This preview shows how the XYZ color 82.7136, 86.7687, 69.5153 looks on a white background.

Color Contrast Check

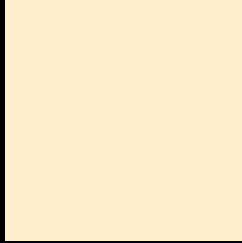
Large Text (above 18pt) WCAG AA × Fail

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 82.7136, 86.7687, 69.5153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

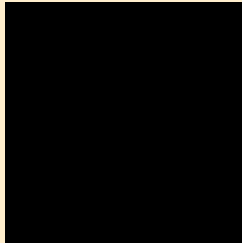
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7136, 86.7687, 69.5153

Background



This preview shows how black text looks on a background with the XYZ color 82.7136, 86.7687, 69.5153.



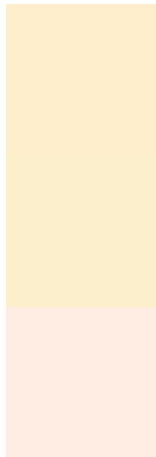
This preview shows how white text looks on a background with the XYZ color 82.7136, 86.7687,

69.5153.

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

82.7136, 86.7687, 69.5153

Protanopia

81.9105, 86.7881, 69.5614

Deuteranopia

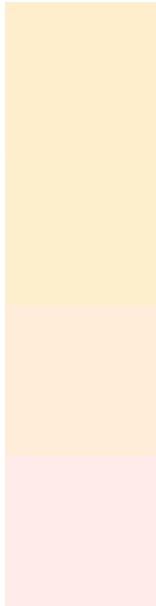
84.9629, 86.7419, 84.2163



Tritanopia

87.4513, 86.8210, 100.1446

Trichromacy



Original Color

82.7136, 86.7687, 69.5153

Protanomaly

82.2736, 86.9753, 69.5784

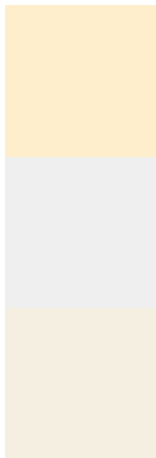
Deuteranomaly

84.1791, 86.8903, 78.6645

Tritanomaly

85.3721, 86.4462, 87.7875

Monochromacy



Original Color

82.7136, 86.7687, 69.5153

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 82.7136, 86.7687, 69.5153 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 204) }
```

Border

The CSS property to change the border of an element to XYZ 82.7136, 86.7687, 69.5153 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, 204) }
```


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

```
.border{ border-color:rgb(255, 238, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7136, 86.7687, 69.5153 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
238, 204) }
```

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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