

Converting Colors

XYZ(82.7319, 87.1438, 72.4160)

Have a look what the booklet for
XYZ(82.7319, 87.1438, 72.4160)
contains.

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Color

**XYZ(82.7597, 87.1697,
72.1380)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEFD0
RGB	253, 239, 208
RGB Percent	99%, 94%, 82%
CMY	0.0078, 0.0627, 0.1843
CMYK	0.00, 0.06, 0.18, 0.01
HSL	41°, 92%, 90%
HSV	41°, 18%, 99%
XYZ	82.7597, 87.1697, 72.1380
YIQ	239.6520, 18.2950, -6.6730

Conversions

Conversions Part 2

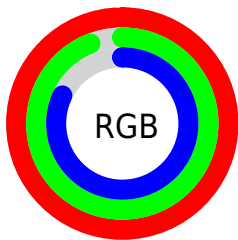
Format	Color
R _Y B	228, 253, 208
Decimal	16642000
CIE Lab	94.81, -0.18, 16.70
CIE LCh	95, 16.699, 90.610
Yxy	87.1697, 0.3419, 0.3601
Android (android.graphics.Color)	4294832080 (0xFFFDEFD0)
YUV	239.6520, -15.6044, 11.7062
Hunter-Lab	93.3647, -5.1635, 19.5450

Details

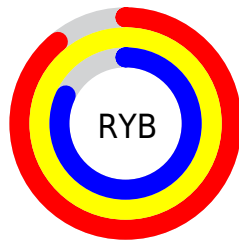
The XYZ color **82.7597, 87.1697, 72.1380** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.8630, 72.7428, 103.2878**, and the grayscale version is **82.6624, 86.9673, 94.7074**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5312, 47.9358, 37.4246** is the 20% darker color. If you saturate the color by 10%, you get **77.6391, 81.5183, 56.2797**, and if you desaturate by 10%, it is **88.4819, 93.2281, 90.6484**.

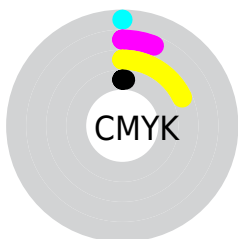
Distribution



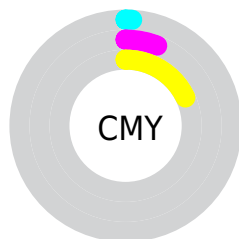
- Red (99%)
- Green (94%)
- Blue (82%)



- Red (89%)
- Yellow (99%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (1%)



- Cyan (1%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7597, 87.1697, 72.1380 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 82.7597, 87.1697, 72.1380 by changing the saturation by 10% instead.

82.7597, 87.1697,
72.1380

82.7597, 87.1697,
72.1380

492.7814,
518.7803, 487.0122

62.3082, 65.6357,
52.7839

136.1691,
143.4006, 123.9623

45.5383, 47.9767,
37.2437

169.8577,
178.8663, 157.2695

32.0847, 33.8084,
25.0990

208.6894,
219.7447, 196.0648

21.5821, 22.7465,
15.9311

253.0295,
266.4201, 240.7668

13.6650, 14.4064,
9.3216

303.2434,
319.2770, 291.7940

7.9682, 8.4039,
4.8519

359.6965,

4.1262, 4.3544,

378.6997, 349.5650

2.1034

422.7540,
445.0727, 414.4982

■ 1.7738, 1.8737,
0.6178

■ 0.5018, 0.5325,
0.0000

■ 82.7597, 87.1697,
72.1380

■ 82.7597, 87.1697,
72.1380

■ 77.6391, 81.5183,
56.2797

■ 88.4819, 93.2281,
90.6484

■ 73.0882, 76.2504,
42.9440

■ 94.2363, 99.4588,
108.8384

■ 69.0829, 71.3570,
31.9985

■ 94.3183, 99.6228,
108.8658

■ 65.5939, 66.8245,
23.2965

■ 62.5891, 62.6378,
16.6750

■ 60.0320, 58.7802,
11.9489

■ 57.8799, 55.2323,
8.8998

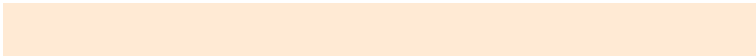
■ 56.0760, 51.9691,
7.2364

■ 55.7058, 51.2778,
6.9616

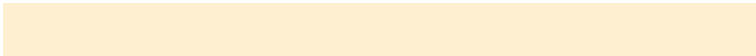
Harmonies

Analogous

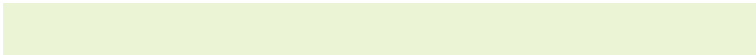
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1905, 87.1697, 74.8375



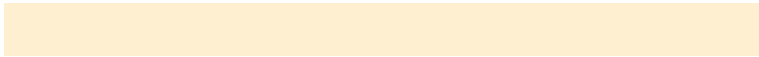
82.7597, 87.1697, 72.1380



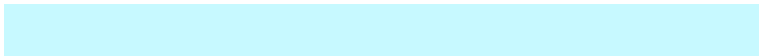
78.5055, 87.1697, 75.0639

Triad

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



82.7597, 87.1697, 72.1380



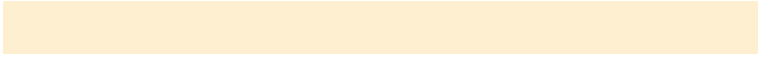
75.5957, 87.1697, 108.1582



90.6570, 87.1697, 107.6583

Complementary

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



82.7597, 87.1697, 72.1380



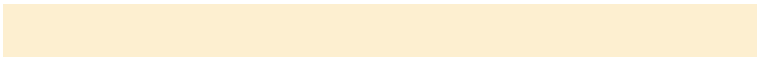
69.8630, 72.7428, 103.2878

Split Complementary

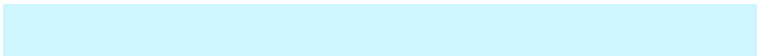
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3564, 87.1697, 117.9849



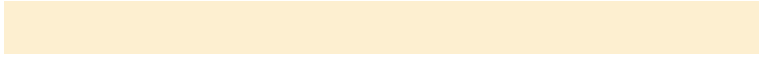
82.7597, 87.1697, 72.1380



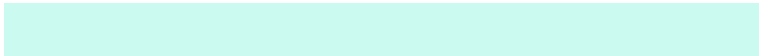
78.6602, 87.1697, 118.2914

Square

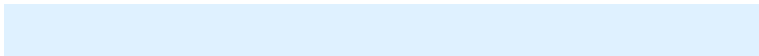
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7597, 87.1697, 72.1380



74.4627, 87.1697, 95.1782



82.9447, 87.1697, 122.0383



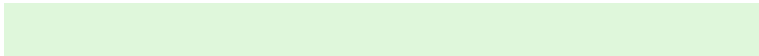
91.8493, 87.1697, 94.6483

Rectangle

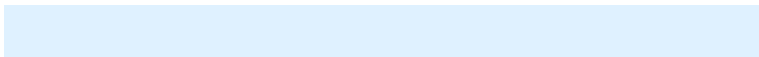
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7597, 87.1697, 72.1380



76.3158, 87.1697, 79.9789



82.9447, 87.1697, 122.0383



89.7515, 87.1697, 111.5992

Sweetspot

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



82.7620, 87.1736, 72.1398



91.8126, 96.7019, 98.0277



76.2832, 71.2829, 79.0225



19.5570, 20.6008, 20.6672



0.0000, 0.0000, 0.0000



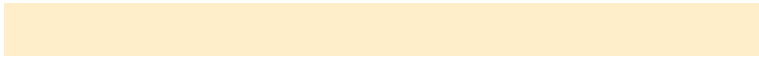
20.3446, 21.4041, 23.3091

Same Dimension

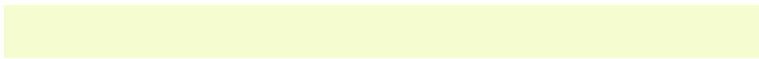
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7620, 87.1736, 72.1398



82.5110, 86.8490, 67.9510



84.0803, 94.1730, 73.4214



19.0567, 20.0815, 19.0161



29.7691, 27.5494, 3.7486



2.9960, 2.8773, 0.3975

Inverse Universe

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



69.8630, 72.7428, 103.2878



67.3569, 69.8968, 104.5491



68.6794, 66.8418, 102.2112



17.4638, 18.2993, 22.8616



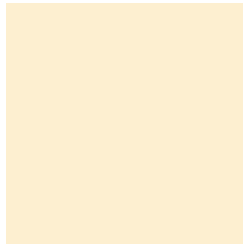
11.0202, 6.9500, 50.1952



1.1654, 0.8615, 4.9181

Previews

White Background



This preview shows how the XYZ color 82.7597, 87.1697, 72.1380 looks on a white background.

Color Contrast Check

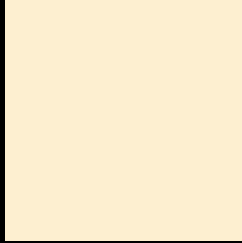
Large Text (above 18pt) WCAG AA × Fail

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 82.7597, 87.1697, 72.1380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

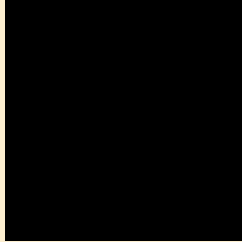
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7597, 87.1697, 72.1380

Background



This preview shows how black text looks on a background with the XYZ color 82.7597, 87.1697, 72.1380.



This preview shows how white text looks on a background with the XYZ color 82.7597, 87.1697,

72.1380.

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

82.7597, 87.1697, 72.1380

Protanopia

82.3966, 86.9825, 72.1210

Deuteranopia

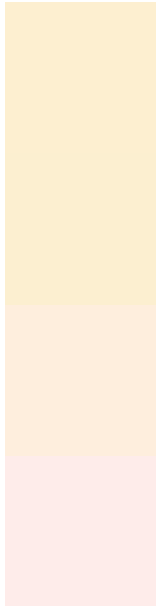
85.5278, 87.4298, 85.7666



Tritanopia

87.7617, 86.9452, 101.7791

Trichromacy



Original Color

82.7597, 87.1697, 72.1380

Protanomaly

82.3966, 86.9825, 72.1210

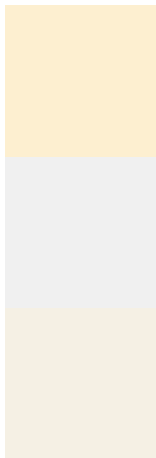
Deuteranomaly

84.4987, 87.4404, 80.8307

Tritanomaly

85.7198, 87.0022, 90.1171

Monochromacy



Original Color

82.7597, 87.1697, 72.1380

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.8199, 87.3341, 85.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7597, 87.1697, 72.1380 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(253, 239, 208)` looks like.

```
.text, #text, p{  
    color:rgb(253, 239, 208)  
}
```

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(253, 239, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 239, 208) }
```

Border

The CSS property to change the border of an element to XYZ 82.7597, 87.1697, 72.1380 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(253, 239, 208) }
```


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

```
.border{ border-color:rgb(253, 239, 208) }
```

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

Here you see how a box with a 4 pixel rgb(253, 239, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 239, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 239, 208);  
box-shadow:4px 4px 4px 4px rgb(253, 239,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7597, 87.1697, 72.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 239, 208) }
```

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

```
.background{ background-color: rgb(253,  
239, 208) }
```

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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