

Converting Colors

XYZ(101.0829, 100.0000,
79.7652)

Have a look what the booklet for
XYZ(101.0829, 100.0000, 79.7652)
contains.

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Color

**XYZ(87.0251, 92.7913,
78.9694)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7D9
RGB	255, 247, 217
RGB Percent	100%, 97%, 85%
CMY	0.0000, 0.0313, 0.1490
CMYK	0.00, 0.03, 0.15, 0.00
HSL	47°, 100%, 93%
HSV	47°, 15%, 100%
XYZ	87.0251, 92.7913, 78.9694
YIQ	245.9720, 14.3980, -7.6340

Conversions

Conversions Part 2

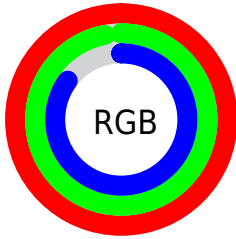
Format	Color
RYB	227, 255, 217
Decimal	16775129
CIELab	97.14, -2.17, 15.38
CIElCh	97, 15.533, 98.018
Yxy	92.7913, 0.3363, 0.3586
Android (android.graphics.Color)	4294965209 (0xFFFFF7D9)
YUV	245.9720, -14.2832, 7.9176
Hunter-Lab	96.3282, -7.3135, 18.8241

Details

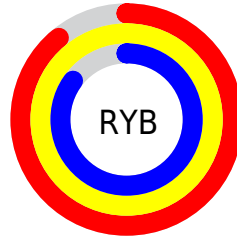
The XYZ color **87.0251, 92.7913, 78.9694** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.5898, 75.8200, 105.3639**, and the grayscale version is **87.6804, 92.2466, 100.4566**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4411, 51.8760, 41.6424** is the 20% darker color. If you saturate the color by 10%, you get **82.3450, 88.3351, 62.2906**, and if you desaturate by 10%, it is **92.2695, 97.5549, 98.3670**.

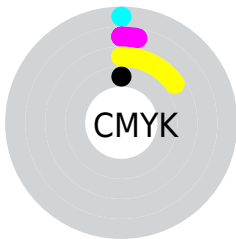
Distribution



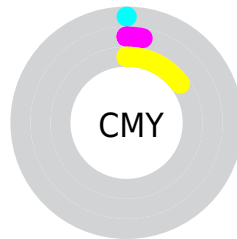
- Red (100%)
- Green (97%)
- Blue (85%)



- Red (89%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0251, 92.7913, 78.9694 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 87.0251, 92.7913, 78.9694 by changing the saturation by 10% instead.


 87.0251, 92.7913,
78.9694

 87.0251, 92.7913,
78.9694

506.6887,
537.0696, 511.0677

 65.8441, 70.2981,
58.3495

142.0986,
151.2096, 133.7141

 48.4131, 51.7696,
41.6731


176.7218,
187.9035, 168.6759

 34.3667, 36.8214,
28.5218


216.5564,
230.0997, 209.2554

 23.3397, 25.0693,
18.4769

261.9679,
278.1827, 255.8712

 14.9666, 16.1287,
11.1199

313.3215,
332.5367, 308.9418

 8.8821, 9.6152,
6.0324

370.9825,

 4.7209, 5.1446,

393.5463, 368.8857

2.7957

435.3165,
461.5958, 436.1215

■ 2.1175, 2.3324,
0.9913

■ 0.6987, 0.7908,
0.0000

■ 87.0251, 92.7913,
78.9694

■ 87.0251, 92.7913,
78.9694

■ 82.3450, 88.3351,
62.2906

■ 92.2695, 97.5549,
98.3670

■ 78.1985, 84.1641,
48.2011

95.0500, 100.0000,
108.9000

■ 74.5623, 80.2715,
36.5695

■ 71.4084, 76.6454,
27.2506

■ 68.7059, 73.2729,
20.0840

■ 66.4201, 70.1394,
14.8883

■ 64.5104, 67.2280,
11.4527

■ 62.9272, 64.5181,
9.5175

■ 62.2097, 63.1994,
8.9199

Harmonies

Analogous

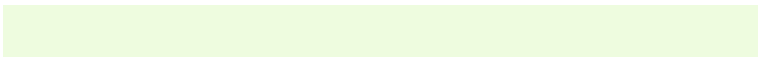
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3876, 92.7913, 80.2651



87.0251, 92.7913, 78.9694



83.1060, 92.7913, 83.1875

Triad

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



87.0251, 92.7913, 78.9694



81.7213, 92.7913, 116.6401



96.2432, 92.7913, 110.3402

Complementary

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



87.0251, 92.7913, 78.9694



73.5898, 75.8200, 105.3639

Split Complementary

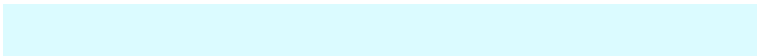
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4883, 92.7913, 121.2661



87.0251, 92.7913, 78.9694



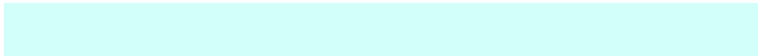
85.0783, 92.7913, 125.1080

Square

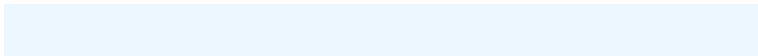
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0251, 92.7913, 78.9694



80.1108, 92.7913, 104.4379



89.3760, 92.7913, 126.8674



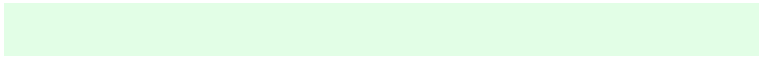
96.8063, 92.7913, 97.7048

Rectangle

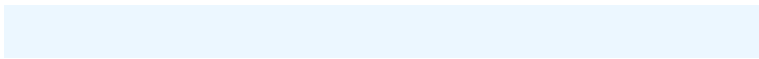
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0251, 92.7913, 78.9694



81.2385, 92.7913, 88.7821



89.3760, 92.7913, 126.8674



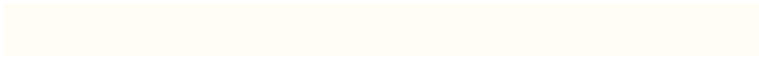
95.5384, 92.7913, 114.3641

Sweetspot

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



87.0273, 92.7953, 78.9714



92.7702, 97.9989, 100.2524



79.6760, 76.3357, 81.9371



19.7671, 20.8964, 21.1210



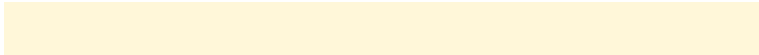
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

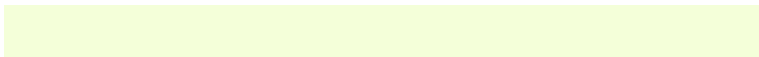
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0273, 92.7953, 78.9714



85.5176, 91.3816, 73.5177



85.6741, 95.8048, 79.6236



19.2178, 20.4037, 19.0698



32.6181, 33.2475, 4.6982



3.2533, 3.3919, 0.4832

Inverse Universe

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



73.5898, 75.8200, 105.3639



69.6407, 71.3257, 104.7045



74.7847, 73.3027, 104.8150



17.3126, 17.9968, 22.8112



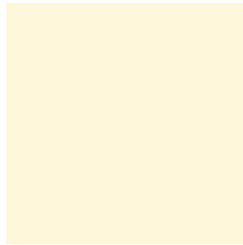
10.1982, 5.3060, 49.9212



1.0675, 0.6658, 4.8855

Previews

White Background



This preview shows how the XYZ color 87.0251, 92.7913, 78.9694 looks on a white background.

Color Contrast Check

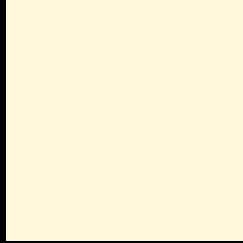
Large Text (above 18pt) WCAG AA × Fail

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 87.0251, 92.7913, 78.9694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

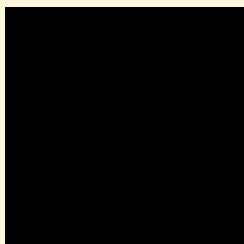
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

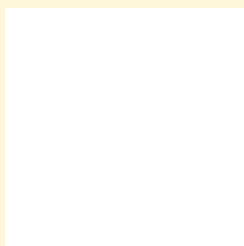
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.0251, 92.7913, 78.9694

Background



This preview shows how black text looks on a background with the XYZ color 87.0251, 92.7913, 78.9694.



This preview shows how white text looks on a background with the XYZ color 87.0251, 92.7913,

78.9694.

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

87.0251, 92.7913, 78.9694

Protanopia

87.9232, 92.6625, 85.2031

Deuteranopia

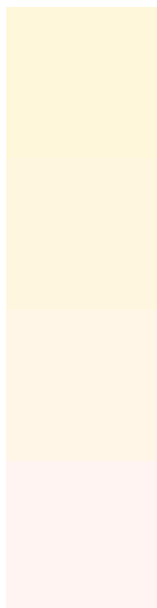
89.7696, 92.9157, 96.4222



Tritanopia

91.1800, 92.5169, 106.8178

Trichromacy



Original Color

87.0251, 92.7913, 78.9694

Protanomaly

87.5151, 92.4992, 83.0536

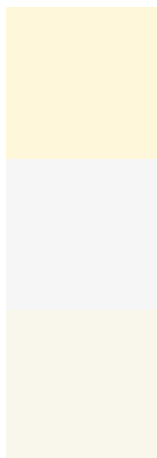
Deuteranomaly

88.7613, 92.9977, 89.6161

Tritanomaly

89.4679, 92.3122, 96.3217

Monochromacy



Original Color

87.0251, 92.7913, 78.9694

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.0181, 92.0494, 91.7782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.0251, 92.7913, 78.9694 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, 247, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 217)  
}
```

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, 247, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 217) }
```

Border

The CSS property to change the border of an element to XYZ 87.0251, 92.7913, 78.9694 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, 247, 217) }
```


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

```
.border{ border-color:rgb(255, 247, 217) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 87.0251, 92.7913, 78.9694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 217) }
```

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

```
.background{ background-color: rgb(255,  
247, 217) }
```

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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