

Converting Colors

XYZ(87.3940, 93.0466, 80.5797)

Have a look what the booklet for
XYZ(87.3940, 93.0466, 80.5797)
contains.

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Color

**XYZ(87.2869, 92.8960,
80.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7DB
RGB	255, 247, 219
RGB Percent	100%, 97%, 86%
CMY	0.0000, 0.0313, 0.1412
CMYK	0.00, 0.03, 0.14, 0.00
HSL	47°, 100%, 93%
HSV	47°, 14%, 100%
XYZ	87.2869, 92.8960, 80.3480
YIQ	246.2000, 13.7560, -7.0120

Conversions

Conversions Part 2

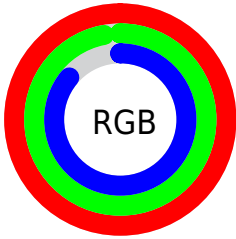
Format	Color
R_{YB}	229, 255, 219
Decimal	16775131
CIE _{Lab}	97.19, -1.86, 14.42
CIE _{LCh}	97, 14.535, 97.366
Yxy	92.8960, 0.3350, 0.3566
Android (android.graphics.Color)	4294965211 (0xFFFFF7DB)
YUV	246.2000, -13.4096, 7.7176
Hunter-Lab	96.3826, -7.0146, 18.0415

Details

The XYZ color **87.2869, 92.8960, 80.3480** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.7318, 77.2161, 105.5731**, and the grayscale version is **87.8585, 92.4340, 100.6606**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6203, 51.9477, 42.5863** is the 20% darker color. If you saturate the color by 10%, you get **82.4789, 88.2470, 63.4324**, and if you desaturate by 10%, it is **92.6663, 97.8638, 99.9936**.

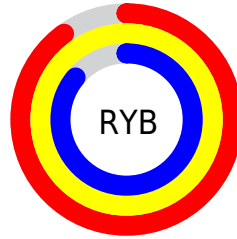
Distribution



Red (100%)

Green (97%)

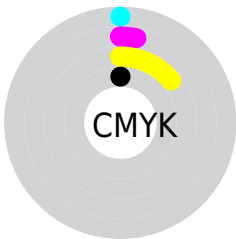
Blue (86%)



Red (90%)

Yellow (100%)

Blue (86%)

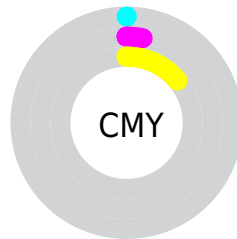


Cyan (0%)

Magenta (3%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.2869, 92.8960, 80.3480 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 87.2869, 92.8960, 80.3480 by changing the saturation by 10% instead.


 87.2869, 92.8960,
80.3480

 87.2869, 92.8960,
80.3480

507.5356,
537.4071, 515.8425

 66.0615, 70.3851,
59.4769


142.4616,
151.3546, 135.6707

 48.5902, 51.8405,
42.5746


177.1415,
188.0711, 170.9594

 34.5077, 36.8780,
29.2226


217.0371,
230.2915, 211.8911

 23.4486, 25.1130,
19.0022

262.5135,
278.4003, 258.8842

 15.0476, 16.1613,
11.4951

313.9362,
332.7819, 312.3574

 8.9394, 9.6384,
6.2825

371.6706,

 4.7584, 5.1598,

393.8206, 372.7291

2.9461

436.0819,
461.9009, 440.4180

■ 2.1395, 2.3414,
1.0672

■ 0.7106, 0.7955,
0.0000

■ 87.2869, 92.8960,
80.3480

■ 87.2869, 92.8960,
80.3480

■ 82.4789, 88.2470,
63.4324

■ 92.6663, 97.8638,
99.9936

■ 78.2118, 83.8948,
49.1178

95.0500, 100.0000,
108.9000

■ 74.4623, 79.8322,
37.2738

■ 71.2025, 76.0475,
27.7560

■ 68.4018, 72.5275,
20.4055

■ 66.0256, 69.2577,
15.0427

■ 64.0339, 66.2212,
11.4596

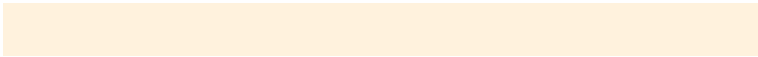
■ 62.3779, 63.3979,
9.4014

■ 61.5199, 61.8199,
8.6900

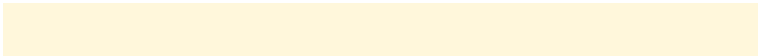
Harmonies

Analogous

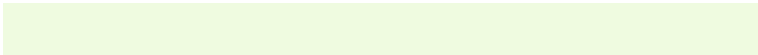
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3669, 92.8960, 81.6884



87.2869, 92.8960, 80.3480



83.5914, 92.8960, 84.2273

Triad

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



87.2869, 92.8960, 80.3480



82.1700, 92.8960, 115.4944



95.7810, 92.8960, 110.0976

Complementary

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



87.2869, 92.8960, 80.3480



74.7318, 77.2161, 105.5731

Split Complementary

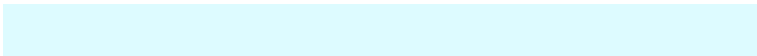
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.1716, 92.8960, 120.1953



87.2869, 92.8960, 80.3480



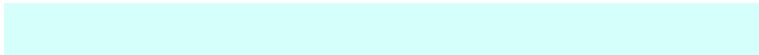
85.2925, 92.8960, 123.4757

Square

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



87.2869, 92.8960, 80.3480



80.6972, 92.8960, 104.0735



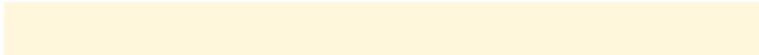
89.3106, 92.8960, 125.2594



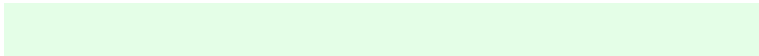
96.3550, 92.8960, 98.2778

Rectangle

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



87.2869, 92.8960, 80.3480



81.8143, 92.8960, 89.4427



89.3106, 92.8960, 125.2594



95.1090, 92.8960, 113.8323

Sweetspot

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



87.2891, 92.9000, 80.3500



92.7326, 97.9237, 100.2398



80.4926, 77.4922, 83.6790



19.7576, 20.8774, 21.1178



0.0000, 0.0000, 0.0000



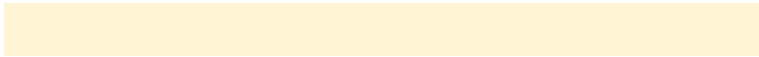
20.3446, 21.4041, 23.3091

Same Dimension

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



87.2891, 92.9000, 80.3500



85.8452, 91.5270, 75.1981



86.3425, 96.1192, 81.0212



19.1989, 20.3661, 19.0635



32.2617, 32.5346, 4.5794



3.2214, 3.3282, 0.4726

Inverse Universe

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



74.7318, 77.2161, 105.5731



71.0300, 73.0240, 104.9591



75.5680, 74.4765, 105.0003



17.3301, 18.0317, 22.8170



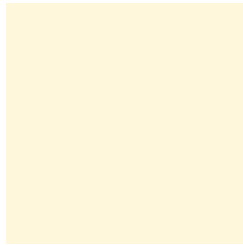
10.2762, 5.4620, 49.9472



1.0775, 0.6856, 4.8888

Previews

White Background



This preview shows how the XYZ color 87.2869, 92.8960, 80.3480 looks on a white background.

Color Contrast Check

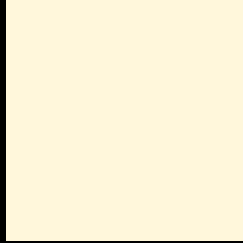
Large Text (above 18pt) WCAG AA × Fail

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 87.2869, 92.8960, 80.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

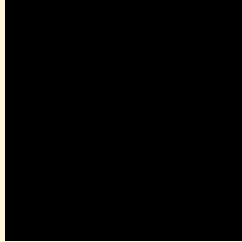
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.2869, 92.8960, 80.3480

Background



This preview shows how black text looks on a background with the XYZ color 87.2869, 92.8960, 80.3480.



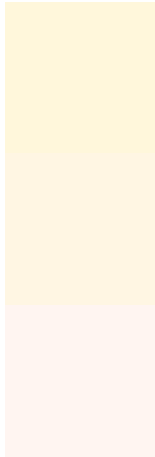
This preview shows how white text looks on a background with the XYZ color 87.2869, 92.8960,

80.3480.

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

87.2869, 92.8960, 80.3480

Protanopia

88.0609, 92.7176, 85.9280

Deuteranopia

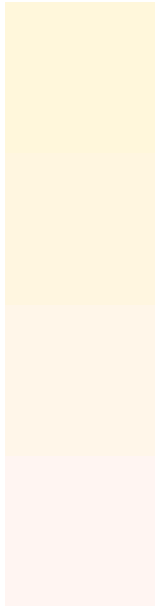
89.7696, 92.9157, 96.4222



Tritanopia

91.6407, 93.1814, 107.7636

Trichromacy



Original Color

87.2869, 92.8960, 80.3480

Protanomaly

87.6503, 92.5534, 83.7659

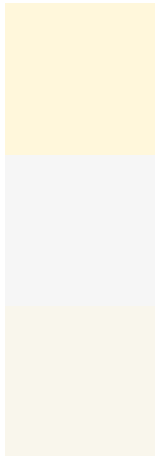
Deuteranomaly

88.9037, 93.0547, 90.3664

Tritanomaly

89.9194, 92.9756, 97.2112

Monochromacy



Original Color

87.2869, 92.8960, 80.3480

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.1630, 92.1074, 92.5414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2869, 92.8960, 80.3480 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 219) }
```

Border

The CSS property to change the border of an element to XYZ 87.2869, 92.8960, 80.3480 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, 219) }
```


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

```
.border{ border-color:rgb(255, 247, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2869, 92.8960, 80.3480 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
247, 219) }
```

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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