

Converting Colors

XYZ(87.1800, 92.5036, 80.8628)

Have a look what the booklet for XYZ(87.1800, 92.5036, 80.8628) contains.

- XYZ(87.1140, 92.3388, 80.9419) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(87.1140, 92.3388,
80.9419)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6DC
RGB	255, 246, 220
RGB Percent	100%, 96%, 86%
CMY	0.0000, 0.0353, 0.1372
CMYK	0.00, 0.04, 0.14, 0.00
HSL	45°, 100%, 93%
HSV	45°, 14%, 100%
XYZ	87.1140, 92.3388, 80.9419
YIQ	245.7270, 13.7100, -6.1780

Conversions

Conversions Part 2

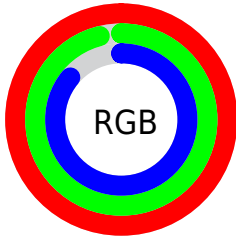
Format	Color
R _Y B	232, 255, 220
Decimal	16774876
CIE Lab	96.96, -1.21, 13.58
CIE LCh	97, 13.634, 95.080
Yxy	92.3388, 0.3345, 0.3546
Android (android.graphics.Color)	4294964956 (0xFFFFF6DC)
YUV	245.7270, -12.6834, 8.1324
Hunter-Lab	96.0931, -6.3422, 17.3235

Details

The XYZ color **87.1140, 92.3388, 80.9419** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.5839, 78.4722, 105.7707**, and the grayscale version is **87.4702, 92.0254, 100.2157**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4937, 51.5493, 42.9914** is the 20% darker color. If you saturate the color by 10%, you get **82.0334, 87.1764, 63.8380**, and if you desaturate by 10%, it is **92.7844, 97.8558, 100.7862**.

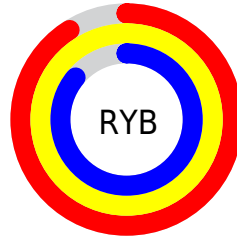
Distribution



Red (100%)

Green (96%)

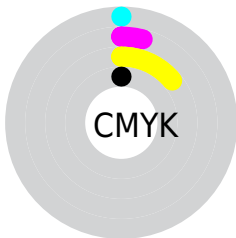
Blue (86%)



Red (91%)

Yellow (100%)

Blue (86%)

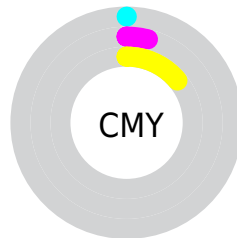


Cyan (0%)

Magenta (4%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1140, 92.3388, 80.9419 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 87.1140, 92.3388, 80.9419 by changing the saturation by 10% instead.


 87.1140, 92.3388,
80.9419

 87.1140, 92.3388,
80.9419


506.9763,
535.6099, 517.8917

 65.9179, 69.9221,
59.9630


142.2219,
150.5829, 136.5125

 48.4732, 51.4630,
42.9637


176.8644,
187.1790, 171.9414

 34.4146, 36.5772,
29.5255


216.7197,
229.2704, 213.0239

 23.3767, 24.8803,
19.2297

262.1532,
277.2414, 260.1788

 14.9941, 15.9879,
11.6579

313.5303,
331.4765, 313.8244

 8.9015, 9.5156,
6.3915

371.2162,

 4.7336, 5.0790,

392.3600, 374.3794

3.0119

435.5765,
460.2763, 442.2623

■ 2.1250, 2.2937,
1.1007

■ 0.7027, 0.7704,
0.0000

■ 87.1140, 92.3388,
80.9419

■ 87.1140, 92.3388,
80.9419

■ 82.0334, 87.1764,
63.8380

■ 92.7844, 97.8558,
100.7862

■ 77.5123, 82.3460,
49.3461

95.0500, 100.0000,
108.9000

■ 73.5269, 77.8402,
37.3358

■ 70.0494, 73.6465,
27.6633

■ 67.0488, 69.7515,
20.1702

■ 64.4906, 66.1400,
14.6778

■ 62.3347, 62.7949,
10.9793

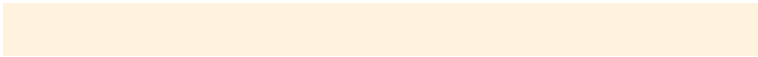
■ 60.5325, 59.6953,
8.8222

■ 59.5389, 57.8578,
8.0296

Harmonies

Analogous

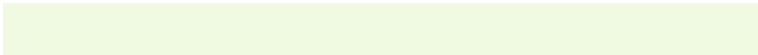
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9085, 92.3388, 82.5823



87.1140, 92.3388, 80.9419



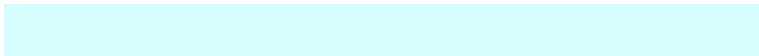
83.5958, 92.3388, 84.2331

Triad

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



87.1140, 92.3388, 80.9419



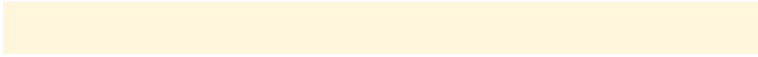
81.8691, 92.3388, 113.1712



94.6228, 92.3388, 109.7029

Complementary

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



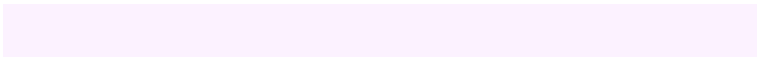
87.1140, 92.3388, 80.9419



75.5839, 78.4722, 105.7707

Split Complementary

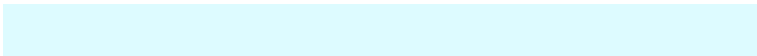
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0711, 92.3388, 118.8292



87.1140, 92.3388, 80.9419



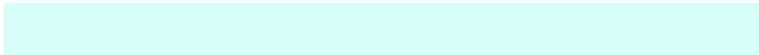
84.6953, 92.3388, 120.9316

Square

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



87.1140, 92.3388, 80.9419



80.6245, 92.3388, 102.4227



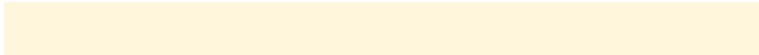
88.4198, 92.3388, 123.0736



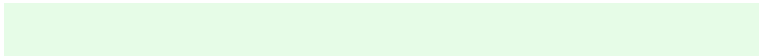
95.3157, 92.3388, 98.6830

Rectangle

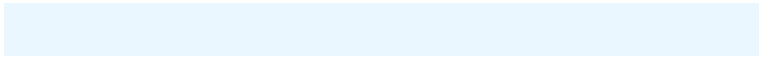
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1140, 92.3388, 80.9419



81.8577, 92.3388, 88.9325



88.4198, 92.3388, 123.0736



93.9504, 92.3388, 113.1187

Sweetspot

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



87.1162, 92.3427, 80.9439



92.6204, 97.6993, 100.2024



81.0233, 78.1232, 85.1829



19.7291, 20.8204, 21.1083



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.



87.1162, 92.3427, 80.9439



85.9091, 91.1371, 76.8157



86.9777, 96.4314, 81.7403



19.1429, 20.2540, 19.0448



31.2371, 30.4854, 4.2379



3.1294, 3.1442, 0.4419

Inverse Universe

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



75.5839, 78.4722, 105.7707



72.6800, 75.2264, 105.2972



75.6920, 74.9289, 105.0811



17.3824, 18.1364, 22.8345



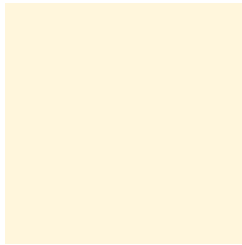
10.5360, 5.9816, 50.0338



1.1093, 0.7493, 4.8994

Previews

White Background



This preview shows how the XYZ color 87.1140, 92.3388, 80.9419 looks on a white background.

Color Contrast Check

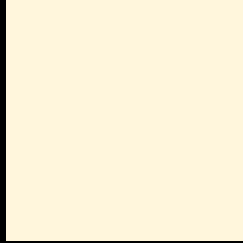
Large Text (above 18pt) WCAG AA × Fail

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 87.1140, 92.3388, 80.9419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

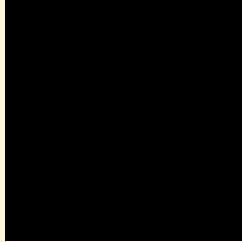
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.1140, 92.3388, 80.9419

Background



This preview shows how black text looks on a background with the XYZ color 87.1140, 92.3388, 80.9419.



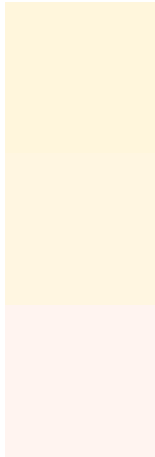
This preview shows how white text looks on a background with the XYZ color 87.1140, 92.3388,

80.9419.

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

87.1140, 92.3388, 80.9419

Protanopia

87.7864, 92.6078, 84.4824

Deuteranopia

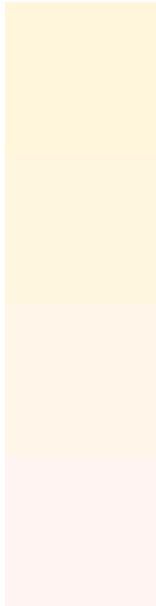
89.3189, 92.2526, 95.5370



Tritanopia

91.1800, 92.5169, 106.8178

Trichromacy



Original Color

87.1140, 92.3388, 80.9419

Protanomaly

87.5151, 92.4992, 83.0536

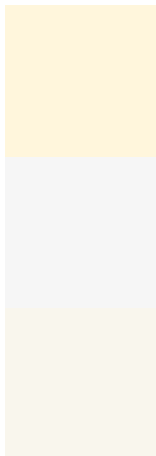
Deuteranomaly

88.6004, 92.4480, 90.2653

Tritanomaly

89.6177, 92.3722, 97.1107

Monochromacy



Original Color

87.1140, 92.3388, 80.9419

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3088, 92.1657, 93.3089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1140, 92.3388, 80.9419 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, 246, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 220)  
}
```

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, 246, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 220) }
```

Border

The CSS property to change the border of an element to XYZ 87.1140, 92.3388, 80.9419 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, 246, 220) }
```


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

```
.border{ border-color:rgb(255, 246, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1140, 92.3388, 80.9419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 220) }
```

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

```
.background{ background-color: rgb(255,  
246, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor