

Converting Colors

XYZ(90.1222, 88.9281, 97.3975)

Have a look what the booklet for
XYZ(90.1222, 88.9281, 97.3975)
contains.

XYZ(87.4131, 87.7220, 97.1189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(87.4131, 87.7220,
97.1189)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECF3
RGB	255, 236, 243
RGB Percent	100%, 93%, 95%
CMY	0.0000, 0.0745, 0.0471
CMYK	0.00, 0.07, 0.05, 0.00
HSL	338°, 100%, 96%
HSV	338°, 7%, 100%
XYZ	87.4131, 87.7220, 97.1189
YIQ	242.4790, 9.0770, 6.2050

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 236, 243
Decimal	16772339
CIE Lab	95.04, 7.60, -1.07
CIE LCh	95, 7.676, 352.016
Yxy	87.7220, 0.3211, 0.3222
Android (android.graphics.Color)	4294962419 (0xFFFFEFCF3)
YUV	242.4790, 0.2569, 10.9809
Hunter-Lab	93.6600, 2.6894, 4.0824

Details

The XYZ color **87.4131, 87.7220, 97.1189** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.2981, 96.1315, 102.7647**, and the grayscale version is **84.7724, 89.1872, 97.1248**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5796, 48.2361, 53.7638** is the 20% darker color. If you saturate the color by 10%, you get **78.2622, 73.1437, 82.5892**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



Red (100%)

Green (93%)

Blue (95%)



Red (100%)

Yellow (93%)

Blue (95%)



Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4131, 87.7220, 97.1189 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 87.4131, 87.7220, 97.1189 by changing the saturation by 10% instead.

87.4131, 87.7220,
97.1189

87.4131, 87.7220,
97.1189

507.9436,
520.5924, 572.0831

66.1663, 66.0929,
73.2932

142.6365,
144.1701, 159.2094

48.6756, 48.3478,
53.7225

177.3438,
179.7578, 198.3112

34.5757, 34.1024,
37.9881

217.2687,
220.7671, 243.3422

23.5012, 22.9723,
25.6717

262.7764,
267.5825, 294.7209

15.0867, 14.5730,
16.3547

314.2324,
320.5884, 352.8658

8.9670, 8.5203,
9.6184

372.0021,

4.7766, 4.4296,

380.1690, 418.1954

5.0444

436.4506,
446.7089, 491.1283

■ 2.1502, 1.9167,
2.2141

■ 0.7163, 0.5584,
0.6825

■ 87.4131, 87.7220,
97.1189

■ 87.4131, 87.7220,
97.1189

■ 78.2622, 73.1437,
82.5892

95.0500, 100.0000,
108.9000

■ 70.3212, 60.6529,
69.4877

■ 63.5392, 50.1562,
57.7707

■ 57.8591, 41.5491,
47.3897

■ 53.2187, 34.7172,
38.2935

■ 49.5495, 29.5337,
30.4270

■ 46.7739, 25.8548,
23.7303

■ 44.8017, 23.5113,
18.1369

■ 43.5165, 22.2836,
13.5697

Harmonies

Analogous

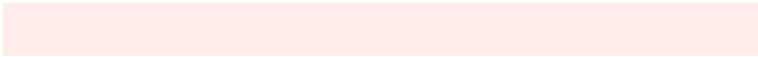
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5790, 87.7220, 102.7607



87.4131, 87.7220, 97.1189



87.1516, 87.7220, 91.2721

Triad

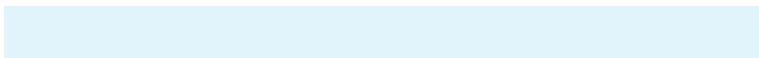
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4131, 87.7220, 97.1189



81.8824, 87.7220, 85.2547



80.9326, 87.7220, 104.8585

Complementary

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



87.4131, 87.7220, 97.1189



87.2981, 96.1315, 102.7647

Split Complementary

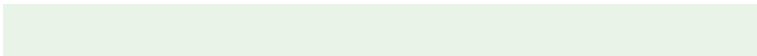
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7132, 87.7220, 99.8861



87.4131, 87.7220, 97.1189



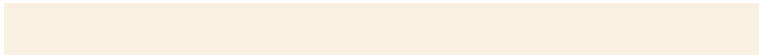
80.2552, 87.7220, 88.6170

Square

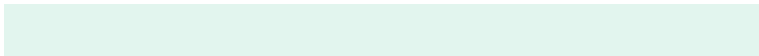
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



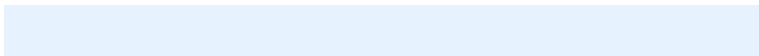
87.4131, 87.7220, 97.1189



83.9355, 87.7220, 84.5830



79.4673, 87.7220, 93.9276



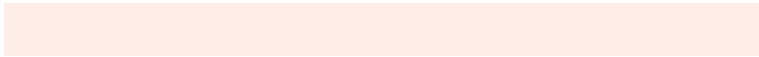
82.8212, 87.7220, 107.3491

Rectangle

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



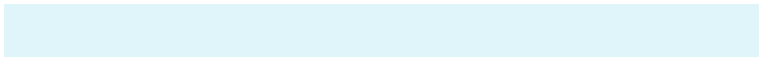
87.4131, 87.7220, 97.1189



86.3931, 87.7220, 88.0292



79.4673, 87.7220, 93.9276



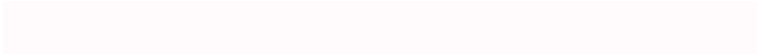
80.4322, 87.7220, 103.4122

Sweetspot

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



87.4151, 87.7256, 97.1208



92.9301, 96.5833, 105.6559



86.6590, 87.1195, 106.8561



19.9131, 20.7086, 22.6488



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

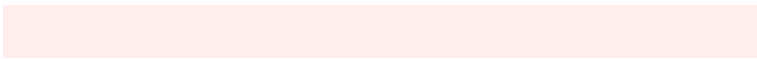
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4151, 87.7256, 97.1208



85.9137, 85.3226, 94.7708



87.0204, 88.5949, 91.8756



18.2859, 18.0977, 20.1229



22.6682, 11.5566, 6.9030



2.2576, 1.1454, 0.9381

Inverse Universe

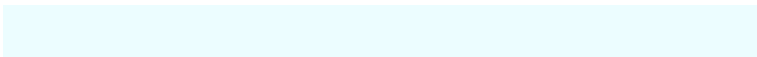
The Inverse Universe completely reimagines the original color for something new.



87.4151, 87.7256, 97.1208



85.9137, 85.3226, 94.7708



87.7012, 95.1682, 108.3547



18.2859, 18.0977, 20.1229



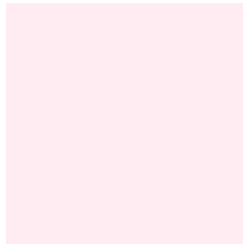
22.6682, 11.5566, 6.9030



2.2576, 1.1454, 0.9381

Previews

White Background



This preview shows how the XYZ color 87.4131, 87.7220, 97.1189 looks on a white background.

Color Contrast Check

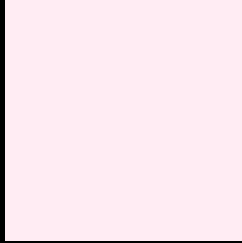
Large Text (above 18pt) WCAG AA × Fail

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 87.4131, 87.7220, 97.1189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

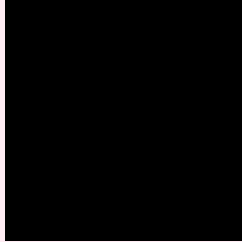
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4131, 87.7220, 97.1189

Background



This preview shows how black text looks on a background with the XYZ color 87.4131, 87.7220, 97.1189.

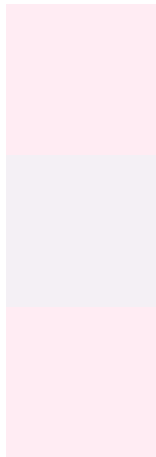


This preview shows how white text looks on a background with the XYZ color 87.4131, 87.7220,

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

87.4131, 87.7220, 97.1189

Protanopia

84.9497, 88.1458, 98.9227

Deuteranopia

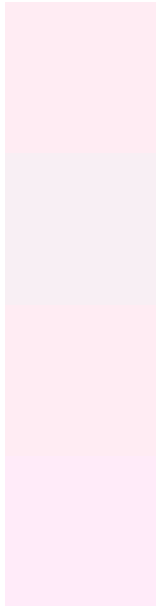
87.4131, 87.7220, 97.1189



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

87.4131, 87.7220, 97.1189

Protanomaly

85.9070, 88.2211, 98.0885

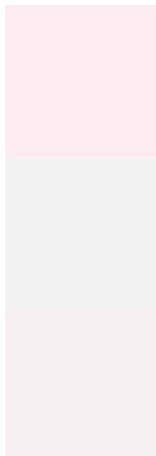
Deuteranomaly

87.4131, 87.7220, 97.1189

Tritanomaly

88.0472, 87.5162, 101.8743

Monochromacy



Original Color

87.4131, 87.7220, 97.1189

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.5449, 88.5051, 96.5789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4131, 87.7220, 97.1189 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, 236, 243) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 243)  
}
```

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, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 243) }
```

Border

The CSS property to change the border of an element to XYZ 87.4131, 87.7220, 97.1189 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, 236, 243) }
```


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

```
.border{ border-color:rgb(255, 236, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4131, 87.7220, 97.1189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 243) }
```

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

```
.background{ background-color: rgb(255,  
236, 243) }
```

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