

Converting Colors

XYZ(86.9820, 90.2882, 87.0720)

Have a look what the booklet for
XYZ(86.9820, 90.2882, 87.0720)
contains.

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Color

**XYZ(87.1350, 90.4214,
86.9893)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E5
RGB	255, 242, 229
RGB Percent	100%, 95%, 90%
CMY	0.0000, 0.0510, 0.1020
CMYK	0.00, 0.05, 0.10, 0.00
HSL	30°, 100%, 95%
HSV	30°, 10%, 100%
XYZ	87.1350, 90.4214, 86.9893
YIQ	244.4050, 11.9210, -1.2870

Conversions

Conversions Part 2

Format	Color
R _{YB}	255, 255, 229
Decimal	16773861
CIE _{Lab}	96.17, 2.23, 7.82
CIE _{LCh}	96, 8.129, 74.112
Y _{xy}	90.4214, 0.3294, 0.3418
Android (android.graphics.Color)	4294963941 (0xFFFFF2E5)
Y _{UV}	244.4050, -7.5947, 9.2918
Hunter-Lab	95.0902, -2.8410, 12.3241

Details

The XYZ color **87.1350, 90.4214, 86.9893** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1145, 87.3800, 107.1459**, and the grayscale version is **86.3675, 90.8653, 98.9523**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4876, 50.1796, 47.1745** is the 20% darker color. If you saturate the color by 10%, you get **80.1711, 81.7791, 68.3734**, and if you desaturate by 10%, it is **94.8905, 99.8092, 108.4516**.

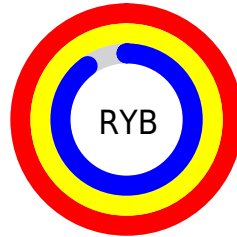
Distribution



Red (100%)

Green (95%)

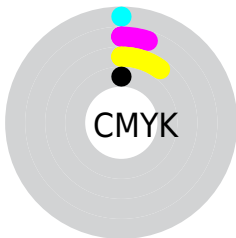
Blue (90%)



Red (100%)

Yellow (100%)

Blue (90%)

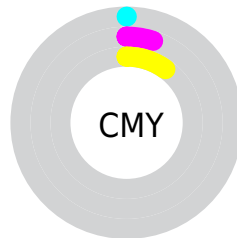


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1350, 90.4214, 86.9893 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 87.1350, 90.4214, 86.9893 by changing the saturation by 10% instead.

87.1350, 90.4214,
86.9893

87.1350, 90.4214,
86.9893

507.0443,
529.4007, 538.5030

65.9353, 68.3302,
64.9268

142.2510,
147.9236, 145.0480

48.4874, 50.1664,
46.9507

176.8980,
184.1034, 181.8812

34.4259, 35.5456,
32.6426

216.7582,
225.7482, 224.4751

23.3854, 24.0835,
21.5840

262.1970,
273.2423, 273.2481

15.0006, 15.3956,
13.3561

313.5796,
326.9703, 328.6189

8.9061, 9.0975,
7.5406

371.2714,

4.7366, 4.8048,

387.3164, 391.0059

3.7189

435.6379,
454.6651, 460.8278

■ 2.1267, 2.1332,
1.4724

■ 0.7037, 0.6832,
0.1973

■ 87.1350, 90.4214,
86.9893

■ 87.1350, 90.4214,
86.9893

■ 80.1711, 81.7791,
68.3734

94.8905, 99.8092,
108.4516

■ 73.9644, 73.8512,
52.4768

95.0500, 100.0000,
108.9000

■ 68.4873, 66.6207,
39.1711

■ 63.7075, 60.0656,
28.3153

■ 59.5902, 54.1625,
19.7549

■ 56.0968, 48.8862,
13.3172

■ 53.1839, 44.2091,
8.8048

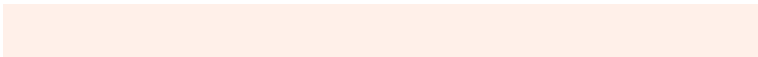
■ 50.8005, 40.1002,
5.9824

■ 48.9008, 36.5816,
4.4836

Harmonies

Analogous

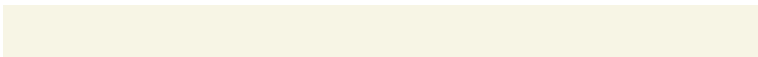
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0929, 90.4214, 90.0625



87.1350, 90.4214, 86.9893



84.8902, 90.4214, 86.8976

Triad

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



87.1350, 90.4214, 86.9893



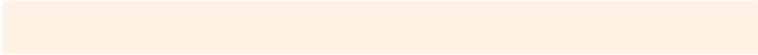
81.8070, 90.4214, 101.5116



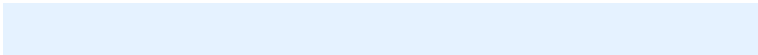
88.9956, 90.4214, 107.6387

Complementary

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



87.1350, 90.4214, 86.9893



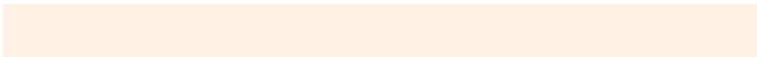
82.1145, 87.3800, 107.1459

Split Complementary

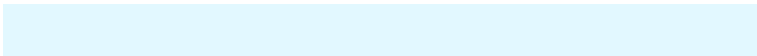
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0041, 90.4214, 110.9910



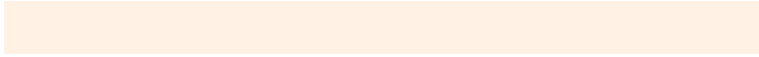
87.1350, 90.4214, 86.9893



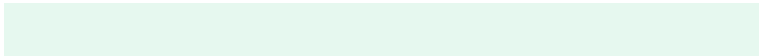
82.8679, 90.4214, 107.3502

Square

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



87.1350, 90.4214, 86.9893



81.8406, 90.4214, 95.0939



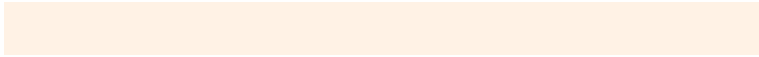
84.7616, 90.4214, 110.8832



90.1799, 90.4214, 101.8914

Rectangle

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



87.1350, 90.4214, 86.9893



83.5346, 90.4214, 88.5284



84.7616, 90.4214, 110.8832



88.3969, 90.4214, 109.0940

Sweetspot

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



87.1371, 90.4252, 86.9912



92.6349, 97.1017, 102.1393



85.2869, 83.7105, 95.6677



19.6922, 20.6204, 21.4848



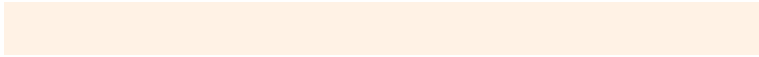
0.0000, 0.0000, 0.0000



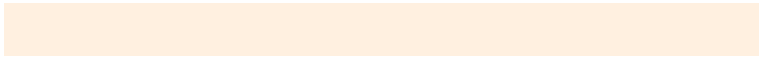
20.3446, 21.4041, 23.3091

Same Dimension

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



87.1371, 90.4252, 86.9912



85.8225, 88.8109, 83.4246



91.1431, 98.4372, 88.3266



18.7601, 19.4883, 18.9172



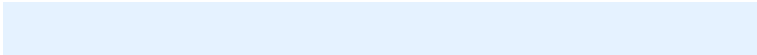
25.7010, 19.4133, 2.3925



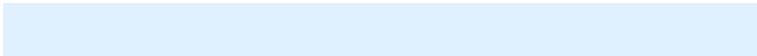
2.6116, 2.1086, 0.2694

Inverse Universe

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



82.1145, 87.3800, 107.1459



79.9846, 85.2713, 106.8511



78.3835, 79.9179, 105.9022



17.7531, 18.8778, 22.9580



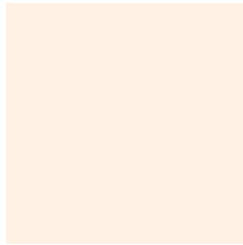
13.5767, 12.0631, 51.0474



1.4311, 1.3929, 5.0067

Previews

White Background



This preview shows how the XYZ color 87.1350, 90.4214, 86.9893 looks on a white background.

Color Contrast Check

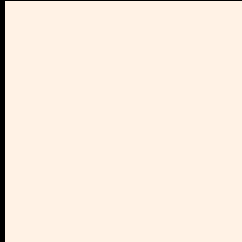
Large Text (above 18pt) WCAG AA × Fail

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 87.1350, 90.4214, 86.9893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

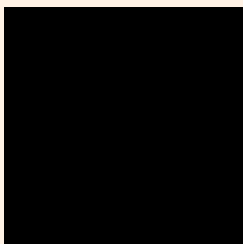
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

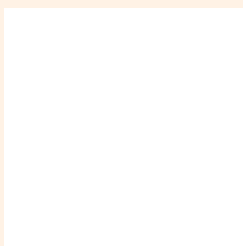
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1350, 90.4214, 86.9893

Background



This preview shows how black text looks on a background with the XYZ color 87.1350, 90.4214, 86.9893.



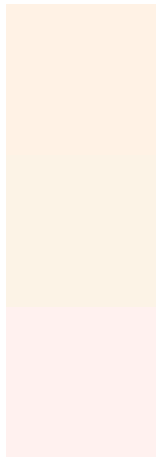
This preview shows how white text looks on a background with the XYZ color 87.1350, 90.4214,

86.9893.

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

87.1350, 90.4214, 86.9893

Protanopia

86.4784, 90.5098, 87.7751

Deuteranopia

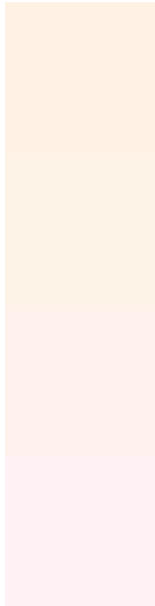
88.2753, 90.4026, 94.4582



Tritanopia

90.1297, 90.6720, 105.6796

Trichromacy



Original Color

87.1350, 90.4214, 86.9893

Protanomaly

86.8415, 90.6970, 87.7921

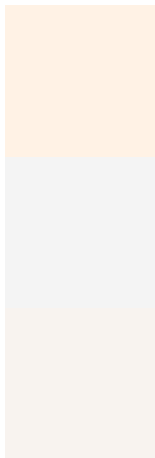
Deuteranomaly

87.6907, 90.1688, 91.3798

Tritanomaly

89.0244, 90.7022, 98.4031

Monochromacy



Original Color

87.1350, 90.4214, 86.9893

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.3420, 90.2896, 94.5383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1350, 90.4214, 86.9893 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, 242, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 229)  
}
```

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, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 229) }
```

Border

The CSS property to change the border of an element to XYZ 87.1350, 90.4214, 86.9893 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, 242, 229) }
```


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

```
.border{ border-color:rgb(255, 242, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1350, 90.4214, 86.9893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 229) }
```

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

```
.background{ background-color: rgb(255,  
242, 229) }
```

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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