

Converting Colors

XYZ(87.2221, 90.3368, 87.8163)

Have a look what the booklet for
XYZ(87.2221, 90.3368, 87.8163)
contains.

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Color

**XYZ(87.2751, 90.4774,
87.7269)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E6
RGB	255, 242, 230
RGB Percent	100%, 95%, 90%
CMY	0.0000, 0.0510, 0.0980
CMYK	0.00, 0.05, 0.10, 0.00
HSL	29°, 100%, 95%
HSV	29°, 10%, 100%
XYZ	87.2751, 90.4774, 87.7269
YIQ	244.5190, 11.6000, -0.9760

Conversions

Conversions Part 2

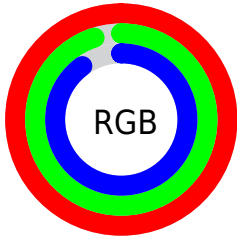
Format	Color
R _Y B	255, 253, 230
Decimal	16773862
CIE Lab	96.19, 2.39, 7.34
CIE LCh	96, 7.714, 71.983
Yxy	90.4774, 0.3287, 0.3408
Android (android.graphics.Color)	4294963942 (0xFFFFF2E6)
YUV	244.5190, -7.1579, 9.1918
Hunter-Lab	95.1196, -2.6802, 11.9018

Details

The XYZ color **87.2751, 90.4774, 87.7269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7330, 88.1419, 107.2603**, and the grayscale version is **86.4557, 90.9581, 99.0534**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5855, 50.2187, 47.6899** is the 20% darker color. If you saturate the color by 10%, you get **80.1499, 81.5448, 68.9581**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

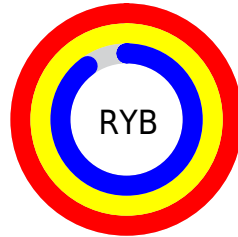
Distribution



Red (100%)

Green (95%)

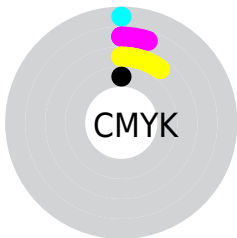
Blue (90%)



Red (100%)

Yellow (99%)

Blue (90%)

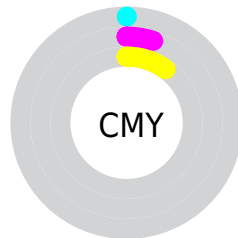


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.2751, 90.4774, 87.7269 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 87.2751, 90.4774, 87.7269 by changing the saturation by 10% instead.


 87.2751, 90.4774,
87.7269

 87.2751, 90.4774,
87.7269

507.4974,
529.5826, 540.9866

 66.0517, 68.3767,
65.5339

142.4452,
148.0013, 146.0847

 48.5822, 50.2042,
47.4400


177.1226,
184.1933, 183.0865

 34.5014, 35.5757,
33.0268


217.0154,
225.8512, 225.8617

 23.4437, 24.1067,
21.8757

262.4889,
273.3594, 274.8287

 15.0440, 15.4128,
13.5681

313.9085,
327.1022, 330.4062

 8.9368, 9.1096,
7.6856

371.6396,

 4.7567, 4.8127,

387.4641, 393.0126

3.8096

436.0474,
454.8294, 463.0666

■ 2.1385, 2.1378,
1.5215

■ 0.7100, 0.6858,
0.2338

■ 87.2751, 90.4774,
87.7269

■ 87.2751, 90.4774,
87.7269

■ 80.1499, 81.5448,
68.9581

95.0500, 100.0000,
108.9000

■ 73.8039, 73.3688,
52.9205

■ 68.2086, 65.9311,
39.4857

■ 63.3312, 59.2081,
28.5131

■ 59.1361, 53.1750,
19.8482

■ 55.5842, 47.8050,
13.3192

■ 52.6314, 43.0688,
8.7294

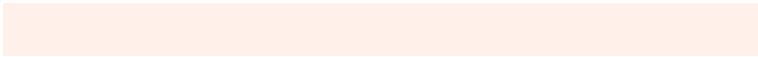
■ 50.2261, 38.9338,
5.8452

■ 48.2901, 35.3559,
4.2936

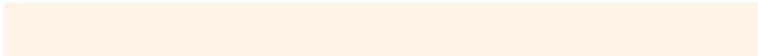
Harmonies

Analogous

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



89.0913, 90.4774, 90.8397



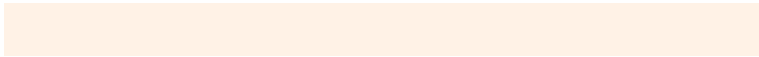
87.2751, 90.4774, 87.7269



85.1445, 90.4774, 87.4301

Triad

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



87.2751, 90.4774, 87.7269



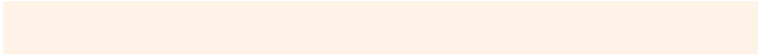
82.0332, 90.4774, 100.9817



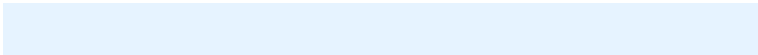
88.7781, 90.4774, 107.5371

Complementary

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



87.2751, 90.4774, 87.7269



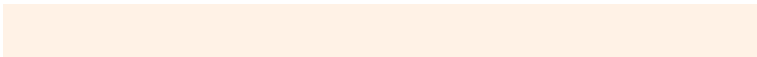
82.7330, 88.1419, 107.2603

Split Complementary

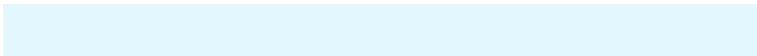
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8533, 90.4774, 110.4983



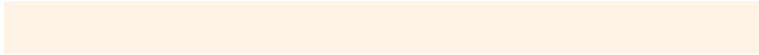
87.2751, 90.4774, 87.7269



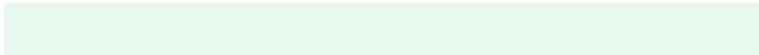
82.9733, 90.4774, 106.6098

Square

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



87.2751, 90.4774, 87.7269



82.1419, 90.4774, 94.9142



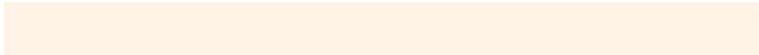
84.7296, 90.4774, 110.1521



89.9689, 90.4774, 102.2047

Rectangle

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



87.2751, 90.4774, 87.7269



83.8348, 90.4774, 88.8526



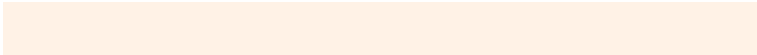
84.7296, 90.4774, 110.1521



88.1941, 90.4774, 108.8526

Sweetspot

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



87.2771, 90.4811, 87.7288



92.5871, 97.0061, 102.1233



85.7655, 84.3459, 96.8189



19.6793, 20.5946, 21.4805



0.0000, 0.0000, 0.0000



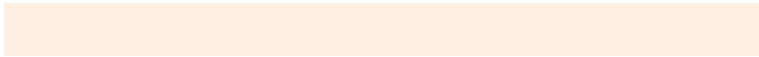
20.3446, 21.4041, 23.3091

Same Dimension

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



87.2771, 90.4811, 87.7288



85.6430, 88.4518, 83.3648



91.0179, 97.9628, 88.9758



18.7291, 19.4264, 18.9069



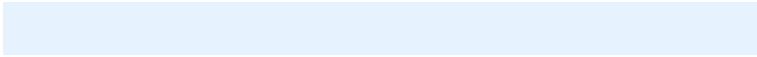
25.3620, 18.7353, 2.2795



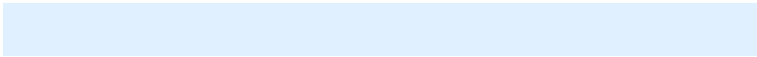
2.5781, 2.0415, 0.2582

Inverse Universe

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



82.7330, 88.1419, 107.2603



80.1648, 85.6316, 106.9112



79.2135, 81.1028, 106.0872



17.7842, 18.9399, 22.9684



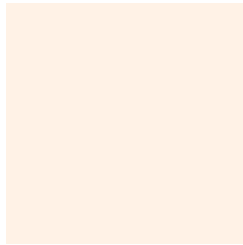
13.9324, 12.7743, 51.1660



1.4660, 1.4627, 5.0183

Previews

White Background



This preview shows how the XYZ color 87.2751, 90.4774, 87.7269 looks on a white background.

Color Contrast Check

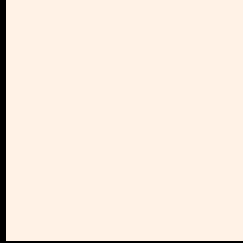
Large Text (above 18pt) WCAG AA × Fail

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 87.2751, 90.4774, 87.7269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

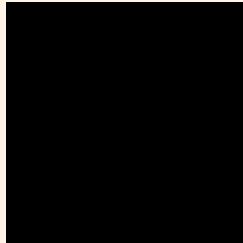
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

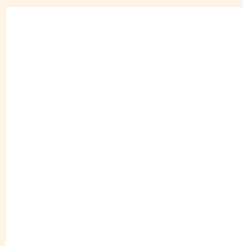
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.2751, 90.4774, 87.7269

Background



This preview shows how black text looks on a background with the XYZ color 87.2751, 90.4774, 87.7269.



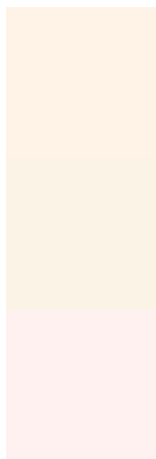
This preview shows how white text looks on a background with the XYZ color 87.2751, 90.4774,

87.7269.

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

87.2751, 90.4774, 87.7269

Protanopia

86.6193, 90.5662, 88.5170

Deuteranopia

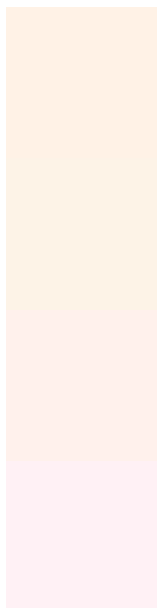
88.2753, 90.4026, 94.4582



Tritanopia

90.1297, 90.6720, 105.6796

Trichromacy



Original Color

87.2751, 90.4774, 87.7269

Protanomaly

86.9824, 90.7534, 88.5340

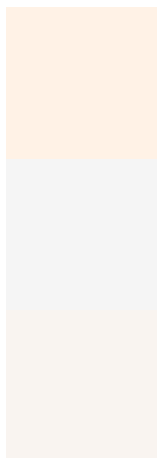
Deuteranomaly

87.8356, 90.2267, 92.1429

Tritanomaly

89.1767, 90.7632, 99.2051

Monochromacy



Original Color

87.2751, 90.4774, 87.7269

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

87.1458, 91.1324, 95.4353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2751, 90.4774, 87.7269 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, 230) looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 230) }
```

Border

The CSS property to change the border of an element to XYZ 87.2751, 90.4774, 87.7269 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, 230) }
```


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

```
.border{ border-color:rgb(255, 242, 230) }
```

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, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2751, 90.4774, 87.7269 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
242, 230) }
```

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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