

Converting Colors

XYZ(87.6056, 91.7465, 85.9630)

Have a look what the booklet for
XYZ(87.6056, 91.7465, 85.9630)
contains.

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Color

**XYZ(87.4558, 91.5074,
85.7263)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4E3
RGB	255, 244, 227
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0431, 0.1098
CMYK	0.00, 0.04, 0.11, 0.00
HSL	36°, 100%, 95%
HSV	36°, 11%, 100%
XYZ	87.4558, 91.5074, 85.7263
YIQ	245.3510, 12.0130, -2.9550

Conversions

Conversions Part 2

Format	Color
R_{YB}	245, 255, 227
Decimal	16774371
CIE Lab	96.62, 0.89, 9.49
CIE LCh	97, 9.534, 84.627
Yxy	91.5074, 0.3304, 0.3457
Android (android.graphics.Color)	4294964451 (0xFFFFF4E3)
YUV	245.3510, -9.0470, 8.4622
Hunter-Lab	95.6595, -4.2122, 13.8283

Details

The XYZ color **87.4558, 91.5074, 85.7263** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3024, 84.6977, 106.7236**, and the grayscale version is **87.1393, 91.6773, 99.8366**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7183, 50.9508, 46.2965** is the 20% darker color. If you saturate the color by 10%, you get **81.2627, 84.3425, 67.5651**, and if you desaturate by 10%, it is **94.3382, 99.2158, 106.6913**.

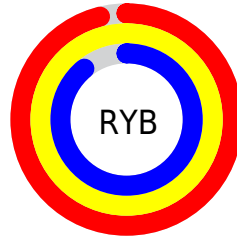
Distribution



Red (100%)

Green (96%)

Blue (89%)



Red (96%)

Yellow (100%)

Blue (89%)



Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4558, 91.5074, 85.7263 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 87.4558, 91.5074, 85.7263 by changing the saturation by 10% instead.


 87.4558, 91.5074,
85.7263

 87.4558, 91.5074,
85.7263


508.0816,
532.9223, 534.2354

 66.2018, 69.2316,
63.8881


142.6957,
149.4305, 143.2706

 48.7045, 50.9003,
46.1144

177.4122,
185.8465, 179.8138

 34.5987, 36.1293,
31.9868

217.3470,
227.7447, 222.0958

 23.5190, 24.5341,
21.0867

262.8654,
275.5095, 270.5350

 15.1000, 15.7303,
12.9955

314.3326,
329.5252, 325.5500

 8.9764, 9.3335,
7.2948

372.1142,

 4.7828, 4.9593,

390.1764, 387.5594

3.5659

436.5754,
457.8472, 456.9817

■ 2.1538, 2.2234,
1.3904

■ 0.7182, 0.7327,
0.1342

■ 87.4558, 91.5074,
85.7263

■ 87.4558, 91.5074,
85.7263

■ 81.2627, 84.3425,
67.5651

94.3382, 99.2158,
106.6913

■ 75.7270, 77.6954,
52.0807

95.0500, 100.0000,
108.9000

■ 70.8239, 71.5549,
39.1451

■ 66.5239, 65.9049,
28.6174

■ 62.7950, 60.7281,
20.3426

■ 59.6018, 56.0059,
14.1477

■ 56.9037, 51.7172,
9.8342

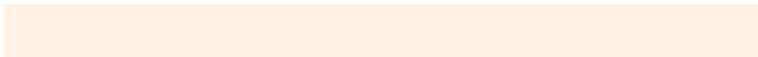
■ 54.6528, 47.8381,
7.1639

■ 52.9399, 44.6598,
5.8300

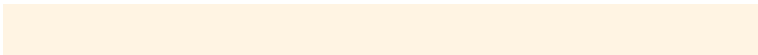
Harmonies

Analogous

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



89.9756, 91.5074, 88.1412



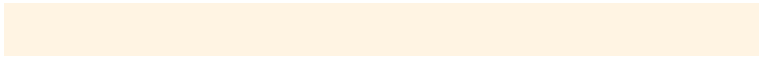
87.4558, 91.5074, 85.7263



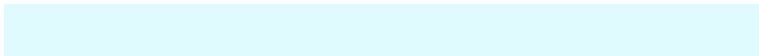
84.8569, 91.5074, 86.8808

Triad

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



87.4558, 91.5074, 85.7263



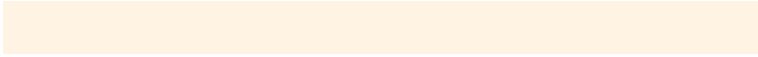
82.3991, 91.5074, 105.8780



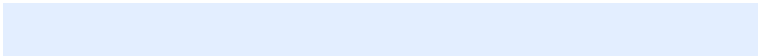
91.2210, 91.5074, 108.3762

Complementary

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



87.4558, 91.5074, 85.7263



80.3024, 84.6977, 106.7236

Split Complementary

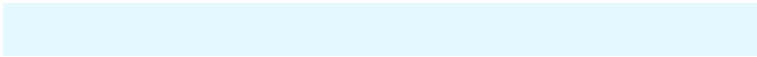
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1281, 91.5074, 113.5823



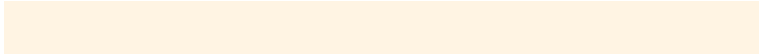
87.4558, 91.5074, 85.7263



84.0419, 91.5074, 112.0891

Square

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



87.4558, 91.5074, 85.7263



81.9719, 91.5074, 98.2680



86.4960, 91.5074, 114.9744



92.1777, 91.5074, 101.0167

Rectangle

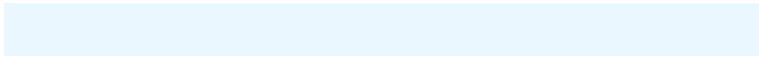
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4558, 91.5074, 85.7263



83.4244, 91.5074, 89.5513



86.4960, 91.5074, 114.9744



90.6250, 91.5074, 110.4508

Sweetspot

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



87.4579, 91.5112, 85.7282



92.8918, 97.6154, 102.2249



84.1718, 82.3840, 92.5093



19.7615, 20.7591, 21.5079



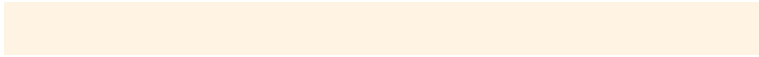
0.0000, 0.0000, 0.0000



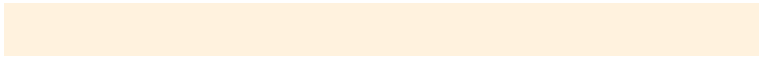
20.3446, 21.4041, 23.3091

Same Dimension

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



87.4579, 91.5112, 85.7282



86.1519, 90.0202, 81.8368



89.8428, 97.7990, 86.8162



18.9275, 19.8232, 18.9730



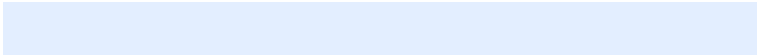
27.8119, 23.6350, 3.0962



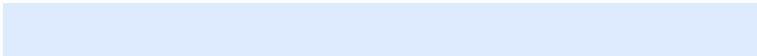
2.8144, 2.5142, 0.3370

Inverse Universe

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



80.3024, 84.6977, 106.7236



77.7985, 82.0663, 106.3477



78.0891, 78.9493, 105.7308



17.5881, 18.5477, 22.9030



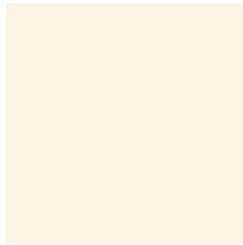
11.9542, 8.8179, 50.5066



1.2666, 1.0640, 4.9519

Previews

White Background



This preview shows how the XYZ color 87.4558, 91.5074, 85.7263 looks on a white background.

Color Contrast Check

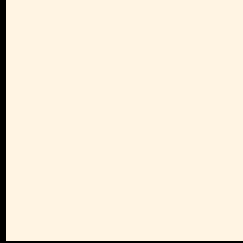
Large Text (above 18pt) WCAG AA × Fail

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 87.4558, 91.5074, 85.7263 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 87.4558, 91.5074, 85.7263

Background



This preview shows how black text looks on a background with the XYZ color 87.4558, 91.5074, 85.7263.



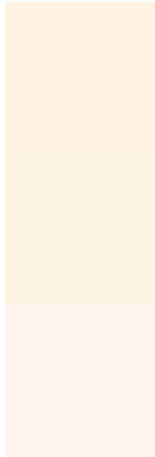
This preview shows how white text looks on a background with the XYZ color 87.4558, 91.5074,

85.7263.

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

87.4558, 91.5074, 85.7263

Protanopia

87.0889, 91.3182, 85.7092

Deuteranopia

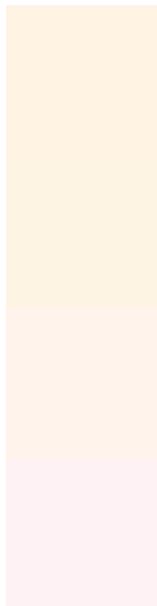
89.0188, 91.6525, 95.4370



Tritanopia

90.5847, 91.3264, 106.6194

Trichromacy



Original Color

87.4558, 91.5074, 85.7263

Protanomaly

87.0889, 91.3182, 85.7092

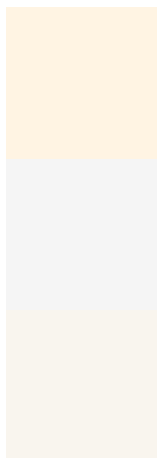
Deuteranomaly

88.2860, 91.3593, 91.5782

Tritanomaly

89.3213, 91.2959, 98.5021

Monochromacy



Original Color

87.4558, 91.5074, 85.7263

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

87.1519, 91.6176, 93.9795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4558, 91.5074, 85.7263 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, 244, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 227)  
}
```

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, 244, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 227) }
```

Border

The CSS property to change the border of an element to XYZ 87.4558, 91.5074, 85.7263 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, 244, 227) }
```


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

```
.border{ border-color:rgb(255, 244, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4558, 91.5074, 85.7263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 227) }
```

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

```
.background{ background-color: rgb(255,  
244, 227) }
```

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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