

Converting Colors

XYZ(87.1562, 91.1102, 85.0036)

Have a look what the booklet for
XYZ(87.1562, 91.1102, 85.0036)
contains.

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Color

**XYZ(87.0181, 90.8522,
84.9014)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3E2
RGB	255, 243, 226
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0470, 0.1137
CMYK	0.00, 0.05, 0.11, 0.00
HSL	35°, 100%, 94%
HSV	35°, 11%, 100%
XYZ	87.0181, 90.8522, 84.9014
YIQ	244.6500, 12.6090, -2.7430

Conversions

Conversions Part 2

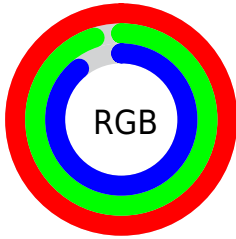
Format	Color
R_{YB}	246, 255, 226
Decimal	16774114
CIE _{Lab}	96.35, 1.24, 9.62
CIE _{LCh}	96, 9.702, 82.648
Yxy	90.8522, 0.3312, 0.3457
Android (android.graphics.Color)	4294964194 (0xFFFFF3E2)
YUV	244.6500, -9.1944, 9.0770
Hunter-Lab	95.3164, -3.8441, 13.9100

Details

The XYZ color **87.0181, 90.8522, 84.9014** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.9879, 84.5356, 106.7089**, and the grayscale version is **86.5762, 91.0849, 99.1914**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4097, 50.4867, 45.7215** is the 20% darker color. If you saturate the color by 10%, you get **80.7102, 83.4258, 66.8005**, and if you desaturate by 10%, it is **94.0320, 98.8570, 105.8074**.

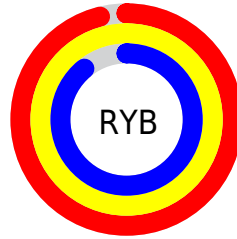
Distribution



Red (100%)

Green (95%)

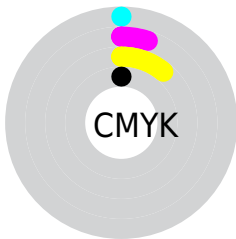
Blue (89%)



Red (96%)

Yellow (100%)

Blue (89%)

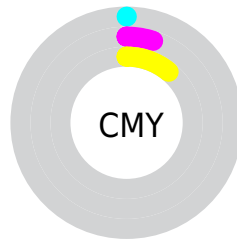


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.0181, 90.8522, 84.9014 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 87.0181, 90.8522, 84.9014 by changing the saturation by 10% instead.


 87.0181, 90.8522,
84.9014

 87.0181, 90.8522,
84.9014


506.6660,
530.7991, 531.4378

 65.8383, 68.6877,
63.2102


142.0889,
148.5216, 142.1083

 48.4083, 50.4574,
45.5692


176.7106,
184.7952, 178.4612

 34.3630, 35.7770,
31.5598


216.5436,
226.5407, 220.5384

 23.3368, 24.2620,
20.7635

261.9533,
274.1423, 268.7584

 14.9644, 15.5281,
12.7617

313.3050,
327.9846, 323.5398

 8.8806, 9.1908,
7.1358

370.9641,

 4.7199, 4.8659,

388.4519, 385.3012

3.4675

435.2960,
455.9286, 454.4610

■ 2.1169, 2.1688,
1.3380

■ 0.6984, 0.7029,
0.0926

■ 87.0181, 90.8522,
84.9014

■ 87.0181, 90.8522,
84.9014

■ 80.7102, 83.4258,
66.8005

94.0320, 98.8570,
105.8074

■ 75.0760, 76.5512,
51.3773

95.0500, 100.0000,
108.9000

■ 70.0901, 70.2163,
38.5032

■ 65.7226, 64.4040,
28.0366

■ 61.9407, 59.0960,
19.8219

■ 58.7084, 54.2725,
13.6850

■ 55.9843, 49.9114,
9.4259

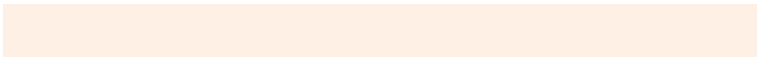
■ 53.7196, 45.9874,
6.8043

■ 52.0716, 42.9232,
5.5405

Harmonies

Analogous

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



89.5395, 90.8522, 87.5714



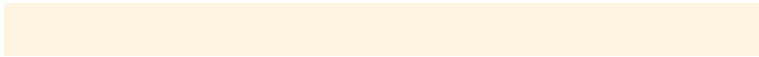
87.0181, 90.8522, 84.9014



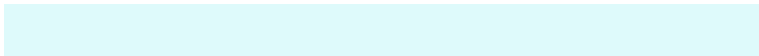
84.3692, 90.8522, 85.8295

Triad

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



87.0181, 90.8522, 84.9014



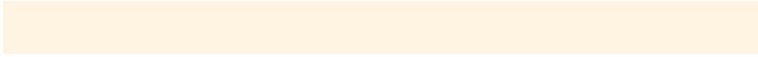
81.6506, 90.8522, 104.7572



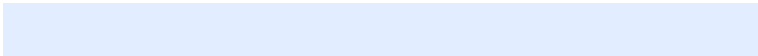
90.5439, 90.8522, 108.2172

Complementary

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



87.0181, 90.8522, 84.9014



79.9879, 84.5356, 106.7089

Split Complementary

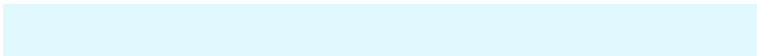
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3662, 90.8522, 113.2838



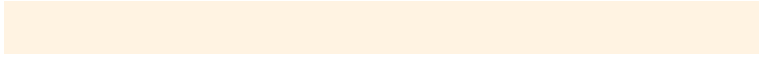
87.0181, 90.8522, 84.9014



83.2417, 90.8522, 111.2146

Square

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



87.0181, 90.8522, 84.9014



81.3066, 90.8522, 97.0328



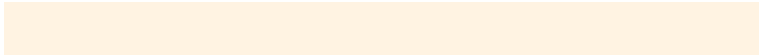
85.6899, 90.8522, 114.4083



91.6025, 90.8522, 100.8368

Rectangle

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



87.0181, 90.8522, 84.9014



82.8837, 90.8522, 88.3879



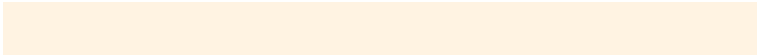
85.6899, 90.8522, 114.4083



89.9164, 90.8522, 110.2628

Sweetspot

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



87.0202, 90.8560, 84.9033



92.8415, 97.5148, 102.2081



83.8819, 81.8317, 92.3280



19.7479, 20.7319, 21.5034



0.0000, 0.0000, 0.0000



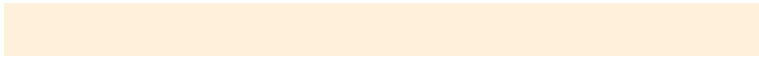
20.3446, 21.4041, 23.3091

Same Dimension

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



87.0202, 90.8560, 84.9033



85.2948, 88.8485, 79.8790



89.8443, 97.8156, 86.0978



18.8946, 19.7573, 18.9620



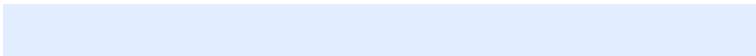
27.3593, 22.7298, 2.9453



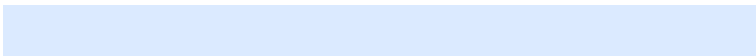
2.7717, 2.4287, 0.3227

Inverse Universe

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



79.9879, 84.5356, 106.7089



76.7953, 81.2097, 106.2352



77.3746, 78.1762, 105.6192



17.6201, 18.6119, 22.9137



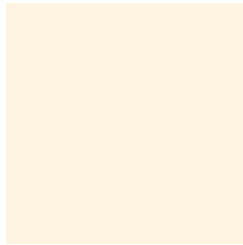
12.2349, 9.3793, 50.6001



1.2959, 1.1225, 4.9616

Previews

White Background



This preview shows how the XYZ color 87.0181, 90.8522, 84.9014 looks on a white background.

Color Contrast Check

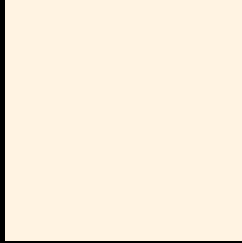
Large Text (above 18pt) WCAG AA × Fail

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 87.0181, 90.8522, 84.9014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

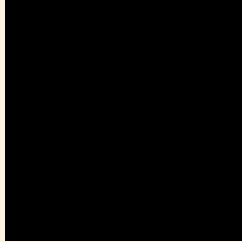
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.0181, 90.8522, 84.9014

Background



This preview shows how black text looks on a background with the XYZ color 87.0181, 90.8522, 84.9014.

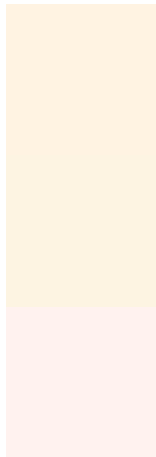


This preview shows how white text looks on a background with the XYZ color 87.0181, 90.8522,

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

87.0181, 90.8522, 84.9014

Protanopia

86.5862, 91.0750, 84.9672

Deuteranopia

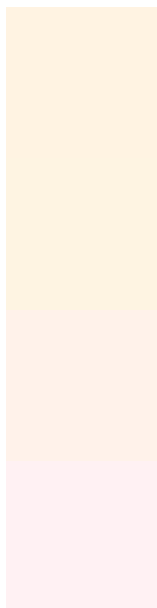
88.5721, 90.9963, 94.5571



Tritanopia

90.1297, 90.6720, 105.6796

Trichromacy



Original Color

87.0181, 90.8522, 84.9014

Protanomaly

86.9512, 91.2632, 84.9842

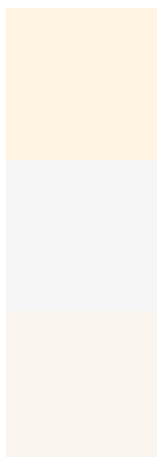
Deuteranomaly

87.8434, 90.7048, 90.7198

Tritanomaly

88.8730, 90.6417, 97.6055

Monochromacy



Original Color

87.0181, 90.8522, 84.9014

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.8502, 91.0142, 93.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.0181, 90.8522, 84.9014 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, 243, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 226)  
}
```

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, 243, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 226) }
```

Border

The CSS property to change the border of an element to XYZ 87.0181, 90.8522, 84.9014 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, 243, 226) }
```


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

```
.border{ border-color:rgb(255, 243, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 87.0181, 90.8522, 84.9014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 226) }
```

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

```
.background{ background-color: rgb(255,  
243, 226) }
```

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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