

# Converting Colors

XYZ(87.5938, 91.2270, 87.4888)

Have a look what the booklet for  
XYZ(87.5938, 91.2270, 87.4888)  
contains.

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# **Color**

**XYZ(87.5735, 91.0744,  
87.8264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3E6
RGB	255, 243, 230
RGB Percent	100%, 95%, 90%
CMY	0.0000, 0.0470, 0.0980
CMYK	0.00, 0.05, 0.10, 0.00
HSL	31°, 100%, 95%
HSV	31°, 10%, 100%
XYZ	87.5735, 91.0744, 87.8264
YIQ	245.1060, 11.3250, -1.4990

# Conversions

## Conversions Part 2

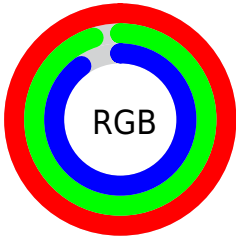
<b>Format</b>	<b>Color</b>
<b>RYB</b>	253, 255, 230
Decimal	16774118
CIELab	96.44, 1.88, 7.69
CIElCh	96, 7.915, 76.278
Yxy	91.0744, 0.3286, 0.3418
Android (android.graphics.Color)	4294964198 (0xFFFFF3E6)
YUV	245.1060, -7.4473, 8.6770
Hunter-Lab	95.4329, -3.2080, 12.2388

# Details

The XYZ color **87.5735, 91.0744, 87.8264** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4345, 87.5449, 107.1608**, and the grayscale version is **86.9299, 91.4571, 99.5967**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7969, 50.6416, 47.7604** is the 20% darker color. If you saturate the color by 10%, you get **80.7115, 82.6679, 69.1453**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

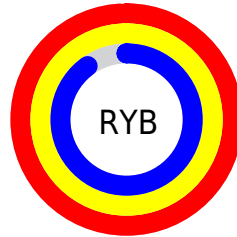
# Distribution



Red (100%)

Green (95%)

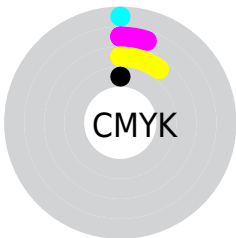
Blue (90%)



Red (99%)

Yellow (100%)

Blue (90%)

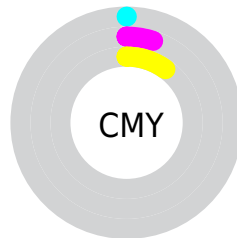


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5735, 91.0744, 87.8264 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 87.5735, 91.0744, 87.8264 by changing the saturation by 10% instead.




 87.5735, 91.0744,  
87.8264

 87.5735, 91.0744,  
87.8264


508.4619,  
531.5197, 541.3211

 66.2995, 68.8721,  
65.6158


142.8588,  
148.8299, 146.2245

 48.7842, 50.6075,  
47.5061


177.6008,  
185.1519, 183.2490

 34.6621, 35.8964,  
33.0787


217.5629,  
226.9492, 226.0486

 23.5680, 24.3542,  
21.9151

263.1105,  
274.6062, 275.0417

 15.1365, 15.5966,  
13.5968

314.6088,  
328.5074, 330.6470

 9.0022, 9.2391,  
7.7053

372.4232,

 4.7997, 4.8975,

389.0371, 393.2830

3.8219

436.9191,  
456.5797, 463.3682

■ 2.1638, 2.1872,  
1.5281

■ 0.7235, 0.7130,  
0.2388

■ 87.5735, 91.0744,  
87.8264

■ 87.5735, 91.0744,  
87.8264

■ 80.7115, 82.6679,  
69.1453

95.0500, 100.0000,  
108.9000

■ 74.5878, 74.9367,  
53.1818

■ 69.1756, 67.8651,  
39.8081

■ 64.4434, 61.4326,  
28.8838

■ 60.3572, 55.6172,  
20.2553

■ 56.8794, 50.3954,  
13.7509

■ 53.9675, 45.7411,  
9.1748

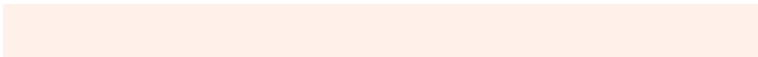
■ 51.5718, 41.6253,  
6.2937

■ 49.6161, 38.0077,  
4.7356

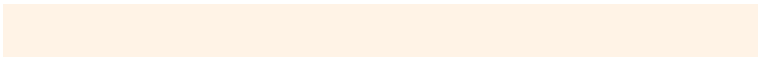
# Harmonies

## Analogous

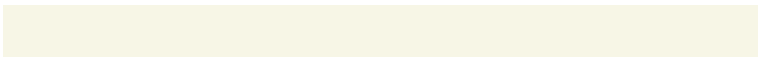
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5281, 91.0744, 90.6426



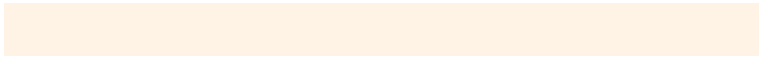
87.5735, 91.0744, 87.8264



85.3801, 91.0744, 87.9557

# Triad

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



87.5735, 91.0744, 87.8264



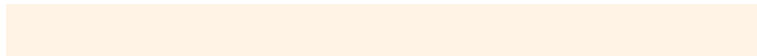
82.5557, 91.0744, 102.6083



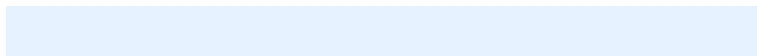
89.6650, 91.0744, 107.7991

# Complementary

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



87.5735, 91.0744, 87.8264



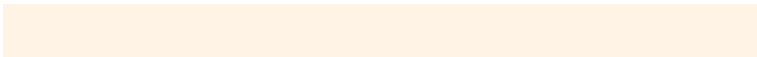
82.4345, 87.5449, 107.1608

# Split Complementary

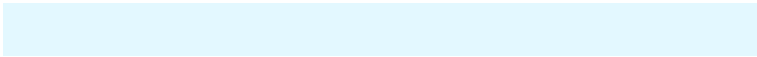
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7577, 91.0744, 111.2873



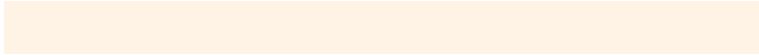
87.5735, 91.0744, 87.8264



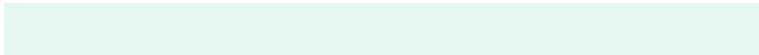
83.6650, 91.0744, 108.2045

# Square

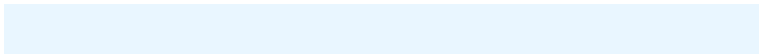
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5735, 91.0744, 87.8264



82.5083, 91.0744, 96.3109



85.5613, 91.0744, 111.4388

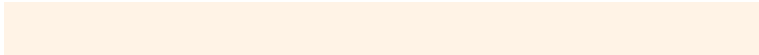


90.7494, 91.0744, 102.0740



# Rectangle

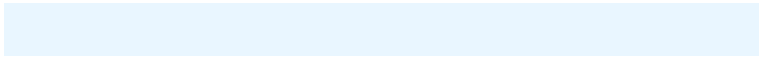
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5735, 91.0744, 87.8264



84.0781, 91.0744, 89.6911



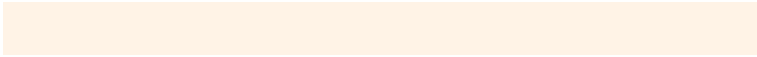
85.5613, 91.0744, 111.4388



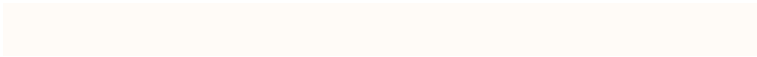
89.0974, 91.0744, 109.2826

# Sweetspot

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



87.5756, 91.0782, 87.8283



92.6828, 97.1975, 102.1552



85.5770, 84.2705, 95.8262



19.7051, 20.6463, 21.4891



0.0000, 0.0000, 0.0000

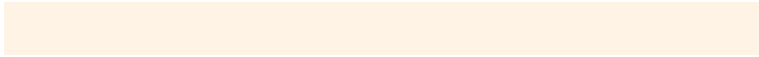


20.3446, 21.4041, 23.3091

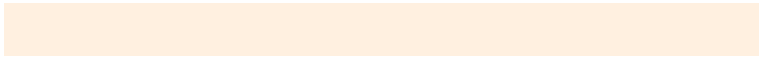


# Same Dimension

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



87.5756, 91.0782, 87.8283



86.0029, 89.1715, 83.4848



91.1301, 98.4143, 89.0570



18.7912, 19.5505, 18.9276



26.0573, 20.1259, 2.5113

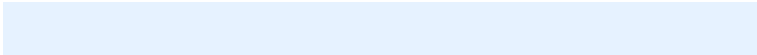


2.6465, 2.1785, 0.2810

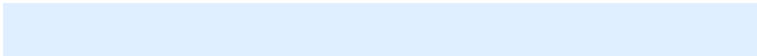


# Inverse Universe

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



82.4345, 87.5449, 107.1608



79.8049, 84.9119, 106.7912



79.1149, 80.7069, 106.0159



17.7221, 18.8158, 22.9477



13.2378, 11.3851, 50.9344

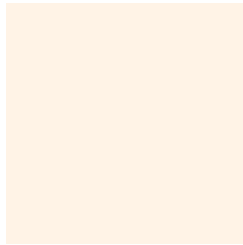


1.3976, 1.3258, 4.9955



# Previews

## White Background



This preview shows how the XYZ color 87.5735, 91.0744, 87.8264 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 87.5735, 91.0744, 87.8264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

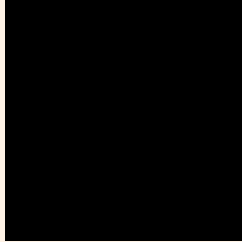
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.5735, 91.0744, 87.8264

## Background



This preview shows how black text looks on a background with the XYZ color 87.5735, 91.0744, 87.8264.



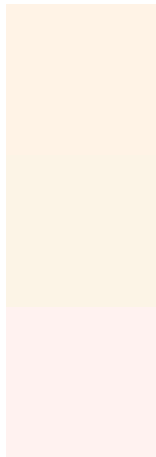
This preview shows how white text looks on a background with the XYZ color 87.5735, 91.0744,

87.864.

# 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

87.5735, 91.0744, 87.8264

### Protanopia

86.7785, 91.1100, 87.8752

### Deuteranopia

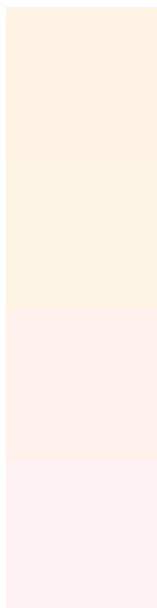
88.7203, 91.0555, 95.3375



## Tritanopia

90.5847, 91.3264, 106.6194

# Trichromacy



## Original Color

87.5735, 91.0744, 87.8264

## Protanomaly

87.1416, 91.2972, 87.8922

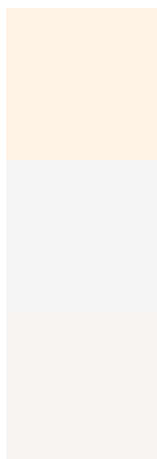
## Deuteranomaly

88.1325, 90.8204, 92.2419

## Tritanomaly

89.4736, 91.3568, 99.3041

# Monochromacy



## Original Color

87.5735, 91.0744, 87.8264

## 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 87.5735, 91.0744, 87.8264 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, 230) looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 87.5735, 91.0744, 87.8264 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, 230) }
```



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

```
.border{ border-color:rgb(255, 243, 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, 243, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.5735, 91.0744, 87.8264 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, 230) }
```

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

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