

# Converting Colors

XYZ(91.0863, 92.8973, 86.1499)

Have a look what the booklet for  
XYZ(91.0863, 92.8973, 86.1499)  
contains.

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# Color

**XYZ(87.1557, 90.9072,  
85.6263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3E3
RGB	255, 243, 227
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0470, 0.1098
CMYK	0.00, 0.05, 0.11, 0.00
HSL	34°, 100%, 95%
HSV	34°, 11%, 100%
XYZ	87.1557, 90.9072, 85.6263
YIQ	244.7640, 12.2880, -2.4320

# Conversions

## Conversions Part 2

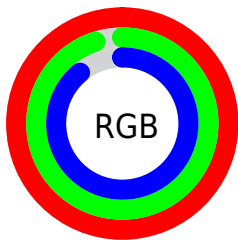
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 255, 227
Decimal	16774115
CIE Lab	96.37, 1.40, 9.14
CIE LCh	96, 9.245, 81.293
Yxy	90.9072, 0.3305, 0.3448
Android (android.graphics.Color)	4294964195 (0xFFFFF3E3)
YUV	244.7640, -8.7577, 8.9770
Hunter-Lab	95.3453, -3.6863, 13.4954

# Details

The XYZ color **87.1557, 90.9072, 85.6263** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5944, 85.2817, 106.8210**, and the grayscale version is **86.6645, 91.1778, 99.2926**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5054, 50.5250, 46.2255** is the 20% darker color. If you saturate the color by 10%, you get **80.7216, 83.2603, 67.3847**, and if you desaturate by 10%, it is **94.3099, 99.1592, 106.6819**.

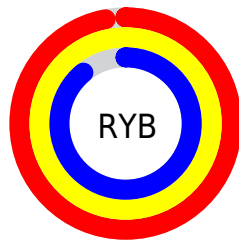
# Distribution



Red (100%)

Green (95%)

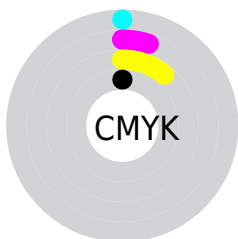
Blue (89%)



Red (97%)

Yellow (100%)

Blue (89%)

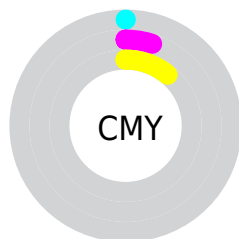


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1557, 90.9072, 85.6263 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 87.1557, 90.9072, 85.6263 by changing the saturation by 10% instead.



87.1557, 90.9072,  
85.6263

87.1557, 90.9072,  
85.6263

507.1112,  
530.9775, 533.8967

65.9525, 68.7333,  
63.8059

142.2797,  
148.5979, 143.1298

48.5014, 50.4946,  
46.0483

176.9312,  
184.8835, 179.6500

34.4370, 35.8065,  
31.9350

216.7962,  
226.6418, 221.9071

23.3940, 24.2848,  
21.0474

262.2401,  
274.2572, 270.3198

15.0070, 15.5450,  
12.9671

313.6282,  
328.1141, 325.3066

8.9107, 9.2028,  
7.2754

371.3258,

4.7396, 4.8737,

388.5968, 387.2860

3.5539

435.6984,  
456.0898, 456.6765

■ 2.1285, 2.1733,  
1.3840

■ 0.7046, 0.7054,  
0.1292

■ 87.1557, 90.9072,  
85.6263

■ 87.1557, 90.9072,  
85.6263

■ 80.7216, 83.2603,  
67.3847

94.3099, 99.1592,  
106.6819

■ 74.9750, 76.1914,  
51.8300

95.0500, 100.0000,  
108.9000

■ 69.8902, 69.6875,  
38.8339

■ 65.4369, 63.7310,  
28.2551

■ 61.5823, 58.3028,  
19.9384

■ 58.2900, 53.3823,  
13.7105

■ 55.5185, 48.9468,  
9.3724

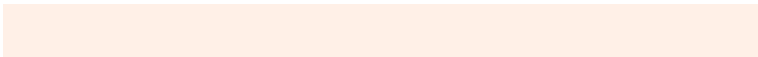
■ 53.2189, 44.9703,  
6.6859

■ 51.4824, 41.7448,  
5.3441

# Harmonies

## Analogous

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



89.5356, 90.9072, 88.3317



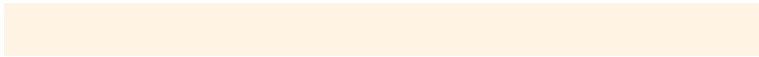
87.1557, 90.9072, 85.6263



84.6203, 90.9072, 86.3583

# Triad

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



87.1557, 90.9072, 85.6263



81.8762, 90.9072, 104.2178



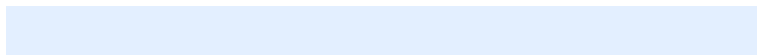
90.3233, 90.9072, 108.1104

# Complementary

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



87.1557, 90.9072, 85.6263



80.5944, 85.2817, 106.8210

# Split Complementary

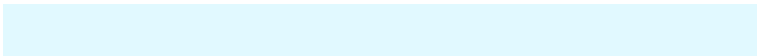
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2137, 90.9072, 112.7806



87.1557, 90.9072, 85.6263



83.3474, 90.9072, 110.4568

# Square

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



87.1557, 90.9072, 85.6263



81.6056, 90.9072, 96.8530



85.6578, 90.9072, 113.6600

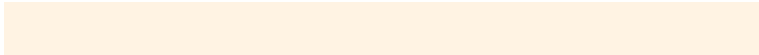


91.3881, 90.9072, 101.1430



# Rectangle

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



87.1557, 90.9072, 85.6263



83.1805, 90.9072, 88.7133



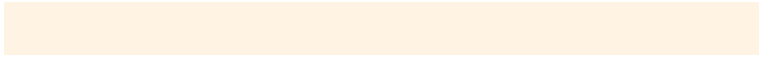
85.6578, 90.9072, 113.6600



89.7109, 90.9072, 110.0151

# Sweetspot

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



87.1578, 90.9110, 85.6282



92.8060, 97.4439, 102.1963



84.3094, 82.4391, 93.2342



19.7383, 20.7128, 21.5002



0.0000, 0.0000, 0.0000

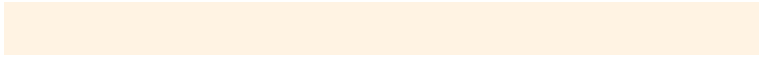


20.3446, 21.4041, 23.3091

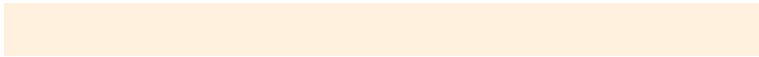


# Same Dimension

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



87.1578, 90.9110, 85.6282



85.8006, 89.3177, 81.7197



90.1820, 97.9739, 86.8321



18.8714, 19.7110, 18.9543



27.0519, 22.1150, 2.8428

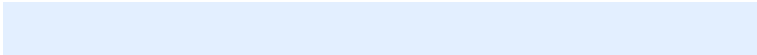


2.7424, 2.3702, 0.3130

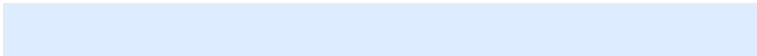


# Inverse Universe

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



80.5944, 85.2817, 106.8210



78.1384, 82.7461, 106.4610



77.7907, 78.7955, 105.7168



17.6428, 18.6572, 22.9213



12.4434, 9.7963, 50.6696

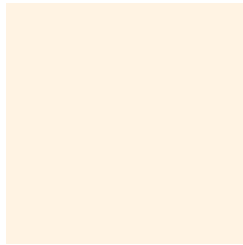


1.3174, 1.1654, 4.9688



# Previews

## White Background



This preview shows how the XYZ color 87.1557, 90.9072, 85.6263 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 87.1557, 90.9072, 85.6263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

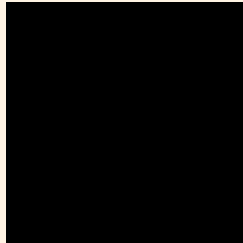
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.1557, 90.9072, 85.6263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.1557, 90.9072, 85.6263.



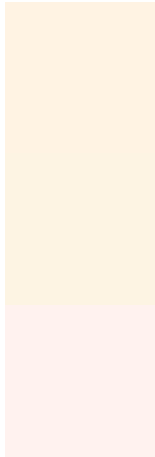
This preview shows how white text looks on a background with the XYZ color 87.1557, 90.9072,

85.6263.

# 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

87.1557, 90.9072, 85.6263

### Protanopia

86.7238, 91.1301, 85.6921

### Deuteranopia

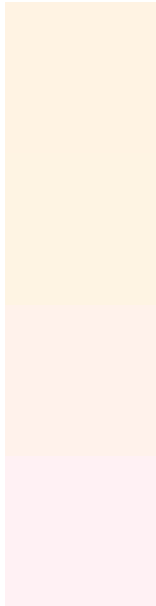
88.5721, 90.9963, 94.5571



## Tritanopia

90.2895, 90.7359, 106.5210

# Trichromacy



## Original Color

87.1557, 90.9072, 85.6263

## Protanomaly

87.0889, 91.3182, 85.7092

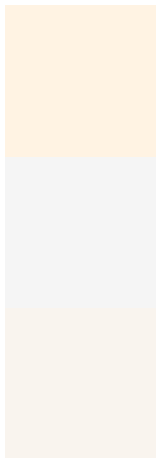
## Deuteranomaly

87.9875, 90.7624, 91.4787

## Tritanomaly

89.0244, 90.7022, 98.4031

# Monochromacy



## Original Color

87.1557, 90.9072, 85.6263

## 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 87.1557, 90.9072, 85.6263 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1557, 90.9072, 85.6263 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, 227) }
```



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

```
.border{ border-color:rgb(255, 243, 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, 243, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1557, 90.9072, 85.6263 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, 227) }
```

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

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