

# Converting Colors

XYZ(85.3373, 91.4510, 85.7052)

Have a look what the booklet for  
XYZ(85.3373, 91.4510, 85.7052)  
contains.

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# Color

**XYZ(85.1787, 91.2317,  
85.7931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F6E3
RGB	247, 246, 227
RGB Percent	97%, 96%, 89%
CMY	0.0314, 0.0353, 0.1098
CMYK	0.00, 0.00, 0.08, 0.03
HSL	57°, 56%, 93%
HSV	57°, 8%, 97%
XYZ	85.1787, 91.2317, 85.7931
YIQ	244.1330, 6.6950, -5.6970

# Conversions

## Conversions Part 2

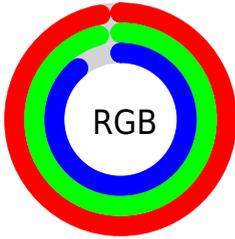
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 247, 227
Decimal	16250595
CIE Lab	96.51, -2.88, 9.25
CIE LCh	97, 9.686, 107.280
Yxy	91.2317, 0.3249, 0.3479
Android (android.graphics.Color)	4294440675 (0xFFFF7F6E3)
YUV	244.1330, -8.4466, 2.5144
Hunter-Lab	95.5153, -7.9689, 13.6056

# Details

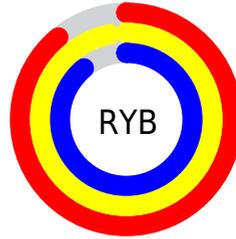
The XYZ color **85.1787, 91.2317, 85.7931** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.2105, 78.5320, 99.1383**, and the grayscale version is **86.1594, 90.6464, 98.7139**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3457, 50.8818, 46.3555** is the 20% darker color. If you saturate the color by 10%, you get **81.6395, 89.2226, 68.9834**, and if you desaturate by 10%, it is **89.2145, 93.4494, 105.1834**.

# Distribution



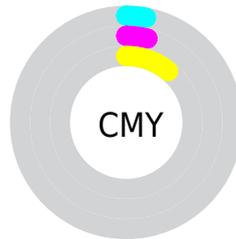
- Red (97%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (97%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)



- Cyan (3%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1787, 91.2317, 85.7931 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 85.1787, 91.2317, 85.7931 by changing the saturation by 10% instead.

 85.1787, 91.2317,  
85.7931

 85.1787, 91.2317,  
85.7931

500.6940,  
532.0294, 534.4616

 64.3120, 69.0027,  
63.9430

139.5356,  
149.0481, 143.3647

 47.1661, 50.7139,  
46.1586

173.7565,  
185.4043, 179.9233

 33.3755, 35.9810,  
32.0214

213.1595,  
227.2382, 222.2218

 22.5748, 24.4195,  
21.1129

258.1100,  
274.9345, 270.6787

 14.3989, 15.6451,  
13.0145

308.9734,  
328.8773, 325.7126

 8.4821, 9.2734,  
7.3077

366.1149,

 4.4594, 4.9199,

389.4511, 387.7420

3.5739

429.9000,  
457.0404, 457.1855

■ 1.9652, 2.2003,  
1.3946

■ 0.6143, 0.7202,  
0.1375

■ 85.1787, 91.2317,  
85.7931

■ 85.1787, 91.2317,  
85.7931

■ 81.6395, 89.2226,  
68.9834

■ 89.2145, 93.4494,  
105.1834

■ 78.5687, 87.4018,  
54.6392

■ 90.1188, 94.4154,  
108.0820

■ 75.9466, 85.7644,  
42.6457

■ 90.4990, 95.1758,  
108.2087

■ 73.7491, 84.3009,  
32.8763

■ 90.8817, 95.9412,  
108.3363

71.9501, 83.0006,  
25.1928

91.2669, 96.7116,  
108.4647

70.5203, 81.8520,  
19.4414

91.6545, 97.4869,  
108.5939

69.4265, 80.8416,  
15.4473

92.0447, 98.2673,  
108.7240

68.6294, 79.9539,  
13.0040

92.1683, 98.5144,  
108.7651

68.0753, 79.1673,  
11.8278

# Harmonies

## Analogous

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



87.8621, 91.2317, 85.5155



85.1787, 91.2317, 85.7931



82.9513, 91.2317, 89.5783

# Triad

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



85.1787, 91.2317, 85.7931



83.2354, 91.2317, 110.6746



91.8809, 91.2317, 102.6486

# Complementary

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



85.1787, 91.2317, 85.7931



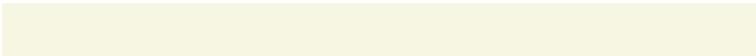
76.2105, 78.5320, 99.1383

# 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.



90.5867, 91.2317, 109.7773



85.1787, 91.2317, 85.7931



85.5739, 91.2317, 114.5703

# Square

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



85.1787, 91.2317, 85.7931



81.8455, 91.2317, 103.8220



88.2656, 91.2317, 114.2336



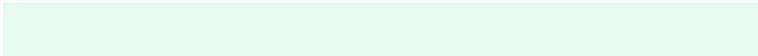
91.7698, 91.2317, 94.9808

# Rectangle

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



85.1787, 91.2317, 85.7931



82.0079, 91.2317, 93.6984



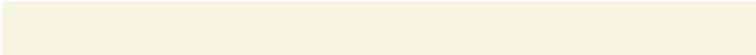
88.2656, 91.2317, 114.2336



91.5947, 91.2317, 105.1949

# Sweetspot

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



85.1812, 91.2357, 85.7951



94.1587, 99.5140, 104.6057



79.8317, 80.3151, 84.6949



20.1632, 21.3052, 22.4349



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.



85.1812, 91.2357, 85.7951



90.8092, 97.6579, 88.5590



82.3870, 90.2460, 85.7513



17.8399, 19.1638, 17.5563



35.9854, 41.8564, 6.1825



3.1841, 3.7214, 0.5505

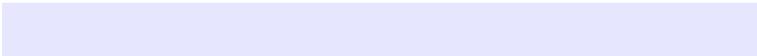


# Inverse Universe

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



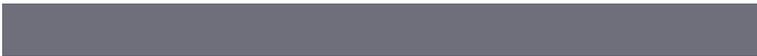
76.2105, 78.5320, 99.1383



79.0343, 80.9832, 106.0735



78.8509, 79.4878, 99.1836



15.6473, 16.0589, 20.8175



8.9795, 3.7527, 46.7891



0.8121, 0.3755, 4.1199



# Previews

## White Background



This preview shows how the XYZ color 85.1787, 91.2317, 85.7931 looks on a white background.

## Color Contrast Check

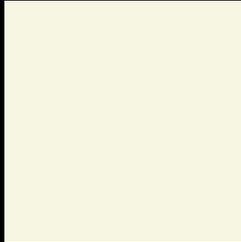
Large Text (above 18pt) WCAG AA × Fail

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 85.1787, 91.2317, 85.7931 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

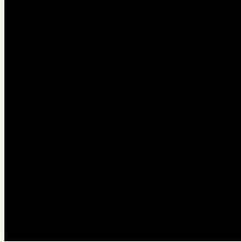
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.1787, 91.2317, 85.7931

## Background



This preview shows how black text looks on a background with the XYZ color 85.1787, 91.2317, 85.7931.



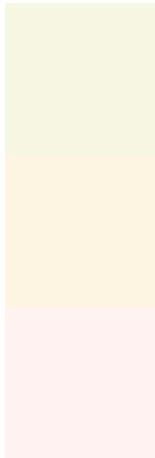
This preview shows how white text looks on a background with the XYZ color 85.1787, 91.2317,

85.7931.

# 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

85.1787, 91.2317, 85.7931

### Protanopia

86.9512, 91.2632, 84.9842

### Deuteranopia

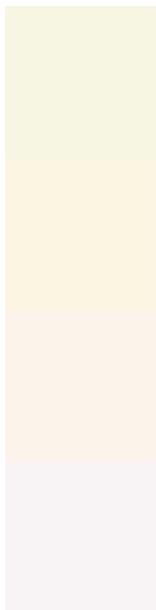
88.7203, 91.0555, 95.3375



## Tritanopia

88.8691, 90.8640, 107.4623

# Trichromacy



## Original Color

85.1787, 91.2317, 85.7931

## Protanomaly

86.1635, 91.3050, 85.0338

## Deuteranomaly

87.1909, 90.7948, 91.5270

## Tritanomaly

87.2434, 90.6502, 99.2852

# Monochromacy



## Original Color

85.1787, 91.2317, 85.7931

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.7412, 90.8903, 93.9135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1787, 91.2317, 85.7931 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(247, 246, 227) looks like.

```
.text, #text, p{  
    color:rgb(247, 246, 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(247, 246, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 246, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1787, 91.2317, 85.7931 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(247, 246, 227) }
```

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

```
.border{ border-color:rgb(247, 246, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 246, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 246, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 246, 227);  
box-shadow:4px 4px 4px 4px rgb(247, 246,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1787, 91.2317, 85.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 246, 227) }
```

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

```
.background{ background-color: rgb(247,  
246, 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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