

# Converting Colors

XYZ(120.9974, 102.3649,  
86.9492)

Have a look what the booklet for  
XYZ(120.9974, 102.3649, 86.9492)  
contains.

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# Color

**XYZ(83.2629, 82.9001,  
85.0117)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE5E4
RGB	255, 229, 228
RGB Percent	100%, 90%, 89%
CMY	0.0000, 0.1019, 0.1059
CMYK	0.00, 0.10, 0.11, 0.00
HSL	2°, 100%, 95%
HSV	2°, 11%, 100%
XYZ	83.2629, 82.9001, 85.0117
YIQ	236.6600, 15.8170, 5.2010

# Conversions

## Conversions Part 2

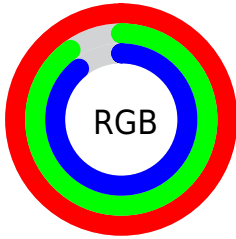
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 229, 228
Decimal	16770532
CIE Lab	92.97, 8.72, 3.72
CIE LCh	93, 9.477, 23.095
Yxy	82.9001, 0.3315, 0.3300
Android (android.graphics.Color)	4294960612 (0xFFFFE5E4)
YUV	236.6600, -4.2694, 16.0842
Hunter-Lab	91.0495, 3.8980, 8.3764

# Details

The XYZ color **83.2629, 82.9001, 85.0117** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4858, 94.5950, 108.3608**, and the grayscale version is **80.2599, 84.4396, 91.9548**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9676, 45.2950, 45.8552** is the 20% darker color. If you saturate the color by 10%, you get **73.6614, 68.9504, 65.6154**, and if you desaturate by 10%, it is **94.3512, 98.9869, 107.4816**.

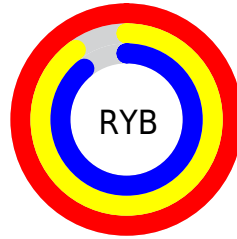
# Distribution



Red (100%)

Green (90%)

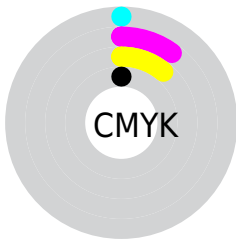
Blue (89%)



Red (100%)

Yellow (90%)

Blue (89%)

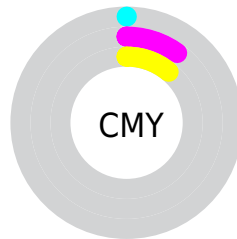


Cyan (0%)

Magenta (10%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2629, 82.9001, 85.0117 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 83.2629, 82.9001, 85.0117 by changing the saturation by 10% instead.




 83.2629, 82.9001,  
85.0117

 83.2629, 82.9001,  
85.0117


494.4330,  
504.6535, 531.8124

 62.7247, 62.1077,  
63.3008

136.8702,  
137.4355, 142.2638

 45.8763, 45.1198,  
45.6421


170.6701,  
171.9474, 178.6422

 32.3525, 31.5518,  
31.6168


209.6212,  
211.8012, 220.7468

 21.7877, 21.0194,  
20.8066

254.0889,  
257.3814, 268.9962

 13.8167, 13.1382,  
12.7929

304.4386,  
309.0723, 323.8089

 8.0742, 7.5238,  
7.1570

361.0356,

 4.1946, 3.7918,

367.2584, 385.6035

3.4806

424.2452,  
432.3240, 454.7984

■ 1.8128, 1.5578,  
1.3449

■ 0.5254, 0.3289,  
0.0982

■ 83.2629, 82.9001,  
85.0117

■ 83.2629, 82.9001,  
85.0117

■ 73.6614, 68.9504,  
65.6154

94.3512, 98.9869,  
107.4816

■ 65.4778, 57.0381,  
49.1542

95.0500, 100.0000,  
108.9000

■ 58.6469, 47.0709,  
35.4868

■ 53.0956, 38.9457,  
24.4580

■ 48.7445, 32.5495,  
15.8979

■ 45.5047, 27.7573,  
9.6162

■ 43.2755, 24.4269,  
5.3955

■ 41.9376, 22.3914,  
2.9759

■ 41.3430, 21.4660,  
1.9643

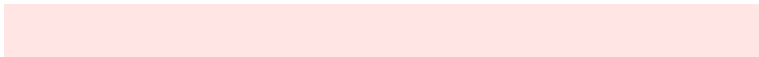
# Harmonies

## Analogous

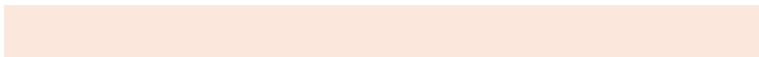
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6241, 82.9001, 91.9161



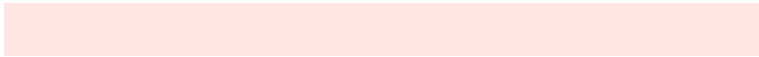
83.2629, 82.9001, 85.0117



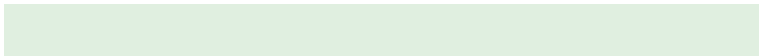
81.6927, 82.9001, 79.7769

# Triad

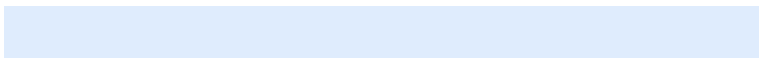
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2629, 82.9001, 85.0117



75.0417, 82.9001, 82.3083



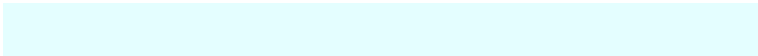
78.2221, 82.9001, 104.5139

# Complementary

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



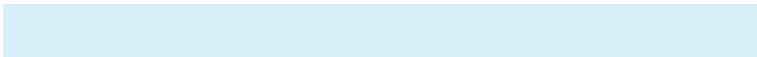
83.2629, 82.9001, 85.0117



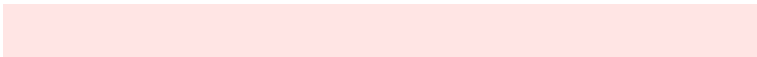
85.4858, 94.5950, 108.3608

# Split Complementary

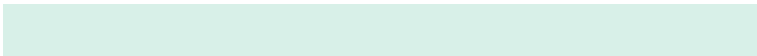
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9648, 82.9001, 101.6324



83.2629, 82.9001, 85.0117



74.1537, 82.9001, 88.6321

# Square

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



83.2629, 82.9001, 85.0117



76.9381, 82.9001, 78.2742



74.4880, 82.9001, 95.7285



80.6797, 82.9001, 103.4199

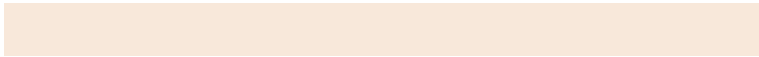


# Rectangle

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



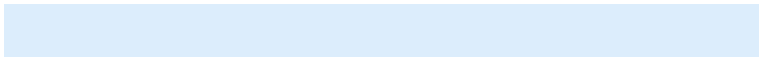
83.2629, 82.9001, 85.0117



80.1890, 82.9001, 77.8163



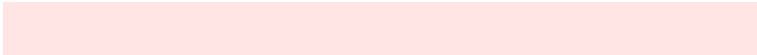
74.4880, 82.9001, 95.7285



77.4154, 82.9001, 103.9733

# Sweetspot

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



83.2648, 82.9036, 85.0134



91.5378, 94.9074, 101.7735



86.8893, 83.9099, 105.4666



19.3969, 20.0299, 21.3864



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

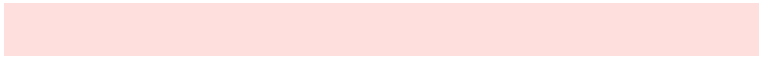


# Same Dimension

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



83.2648, 82.9036, 85.0134



80.8147, 79.3458, 80.0578



87.1154, 90.6046, 86.2970



18.0636, 18.0953, 18.6850



21.6260, 11.2633, 1.0342

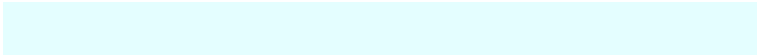


2.1239, 1.1331, 0.1068

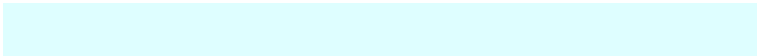


# Inverse Universe

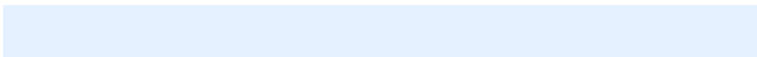
The Inverse Universe completely reimagines the original color for something new.



85.4858, 94.5950, 108.3608



83.4960, 93.4615, 108.2469



81.3827, 86.3888, 106.9931



18.4935, 20.3586, 23.2048



26.5999, 38.1093, 55.3885

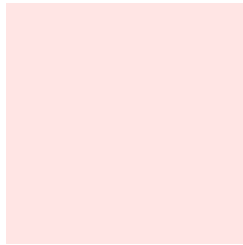


2.6073, 3.7453, 5.3988



# Previews

## White Background



This preview shows how the XYZ color 83.2629, 82.9001, 85.0117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

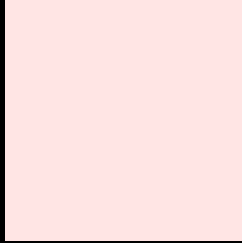
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2629, 82.9001, 85.0117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

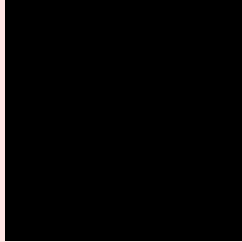
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

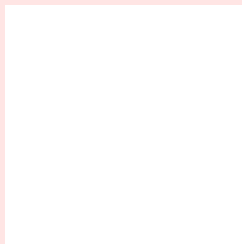
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.2629, 82.9001, 85.0117

## Background



This preview shows how black text looks on a background with the XYZ color 83.2629, 82.9001, 85.0117.



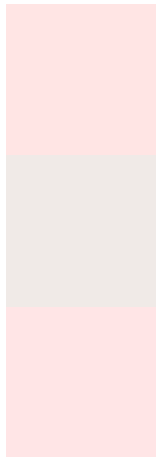
This preview shows how white text looks on a background with the XYZ color 83.2629, 82.9001,

85.0117.

# 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

83.2629, 82.9001, 85.0117

### Protanopia

79.7818, 83.1404, 87.4441

### Deuteranopia

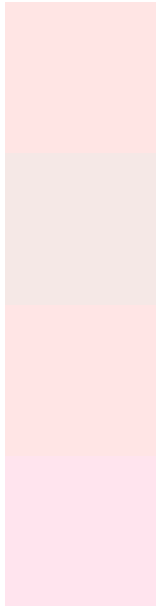
83.5422, 83.0118, 86.4826



## Tritanopia

84.8867, 82.6692, 96.2768

# Trichromacy



## Original Color

83.2629, 82.9001, 85.0117

## Protanomaly

80.7957, 82.8389, 86.5940

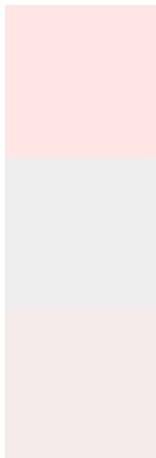
## Deuteranomaly

83.4022, 82.9558, 85.7450

## Tritanomaly

84.4160, 82.9199, 92.4448

# Monochromacy



## Original Color

83.2629, 82.9001, 85.0117

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.5823, 84.0192, 89.7594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2629, 82.9001, 85.0117 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, 229, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 228)  
}
```

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, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2629, 82.9001, 85.0117 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, 229, 228) }
```



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

```
.border{ border-color:rgb(255, 229, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2629, 82.9001, 85.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 228) }
```

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

```
.background{ background-color: rgb(255,  
229, 228) }
```

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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