

# Converting Colors

XYZ(96.3778, 88.4477, 84.8919)

Have a look what the booklet for  
XYZ(96.3778, 88.4477, 84.8919)  
contains.

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# **Color**

**XYZ(82.3015, 81.1988,  
84.0082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2E3
RGB	255, 226, 227
RGB Percent	100%, 89%, 89%
CMY	0.0000, 0.1137, 0.1098
CMYK	0.00, 0.11, 0.11, 0.00
HSL	358°, 100%, 94%
HSV	358°, 11%, 100%
XYZ	82.3015, 81.1988, 84.0082
YIQ	234.7850, 16.9630, 6.4590

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 226, 227
Decimal	16769763
CIE Lab	92.22, 10.10, 3.15
CIE LCh	92, 10.584, 17.319
Yxy	81.1988, 0.3325, 0.3281
Android (android.graphics.Color)	4294959843 (0xFFFFE2E3)
YUV	234.7850, -3.8380, 17.7286
Hunter-Lab	90.1104, 5.3382, 7.8023

# Details

The XYZ color **82.3015, 81.1988, 84.0082** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.0161, 94.8458, 107.5960**, and the grayscale version is **78.8230, 82.9280, 90.3086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2980, 44.1101, 45.1564** is the 20% darker color. If you saturate the color by 10%, you get **72.7171, 67.0856, 65.2276**, and if you desaturate by 10%, it is **93.4070, 97.5756, 105.6960**.

# Distribution



Red (100%)

Green (89%)

Blue (89%)



Red (100%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3015, 81.1988, 84.0082 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 82.3015, 81.1988, 84.0082 by changing the saturation by 10% instead.




 82.3015, 81.1988,  
84.0082

 82.3015, 81.1988,  
84.0082


491.2749,  
498.9637, 528.3992

 61.9290, 60.7053,  
62.4768


135.5303,  
135.0499, 140.8485

 45.2307, 43.9874,  
44.9798

169.1174,  
169.1763, 176.9944

 31.8413, 30.6606,  
31.0987


207.8401,  
208.6158, 218.8489

 21.3952, 20.3406,  
20.4149

252.0638,  
253.7528, 266.8306

 13.5273, 12.6428,  
12.5099

302.1537,  
304.9717, 321.3579

 7.8721, 7.1831,  
6.9652

358.4753,

 4.0644, 3.5769,

362.6569, 382.8494

3.3622

421.3939,  
427.1928, 451.7237

■ 1.7386, 1.4398,  
1.2824

■ 0.4803, 0.2458,  
0.0473

■ 82.3015, 81.1988,  
84.0082

■ 82.3015, 81.1988,  
84.0082

■ 72.7171, 67.0856,  
65.2276

■ 93.4070, 97.5756,  
105.6960

■ 64.5822, 55.1268,  
49.2260

95.0500, 100.0000,  
108.9000

■ 57.8280, 45.2195,  
35.8728

■ 52.3779, 37.2486,  
25.0253

■ 48.1477, 31.0874,  
16.5273

■ 45.0435, 26.5941,  
10.2049

■ 42.9576, 23.6060,  
5.8604

■ 41.7614, 21.9278,  
3.2601

■ 41.2880, 21.2792,  
2.1826

# Harmonies

## Analogous

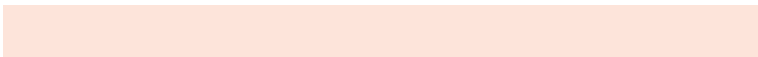
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4164, 81.1988, 91.7557



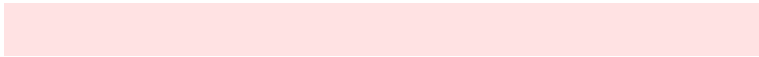
82.3015, 81.1988, 84.0082



80.7933, 81.1988, 77.8064

# Triad

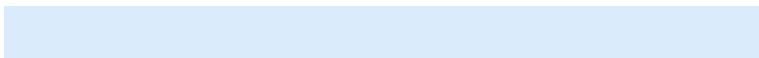
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3015, 81.1988, 84.0082



73.3792, 81.1988, 78.5997



76.0295, 81.1988, 103.9168

# Complementary

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



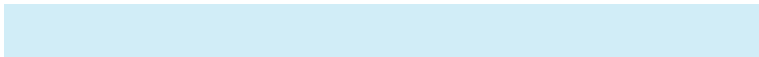
82.3015, 81.1988, 84.0082



85.0161, 94.8458, 107.5960

# 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.



73.6703, 81.1988, 99.9393



82.3015, 81.1988, 84.0082



72.1645, 81.1988, 85.1499

# Square

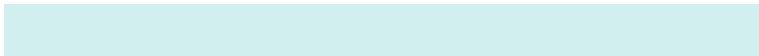
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3015, 81.1988, 84.0082



75.6237, 81.1988, 74.8126



72.2698, 81.1988, 92.9664



78.7514, 81.1988, 103.5663

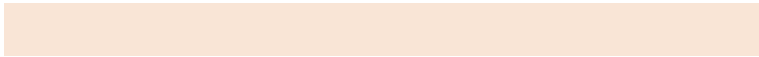


# Rectangle

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



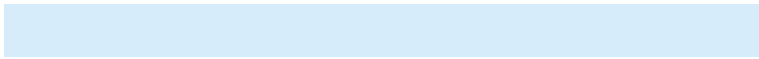
82.3015, 81.1988, 84.0082



79.2205, 81.1988, 75.2441



72.2698, 81.1988, 92.9664



75.1690, 81.1988, 103.0322

# Sweetspot

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



82.3034, 81.2022, 84.0099



91.4911, 94.7491, 101.9585



85.9567, 82.6021, 106.0211



19.3844, 19.9875, 21.4360



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

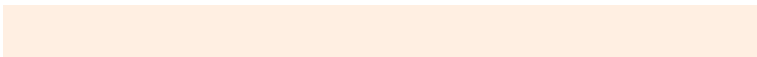
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3034, 81.2022, 84.0099



79.6379, 77.2749, 78.7939



85.8504, 88.5156, 84.5163



18.0346, 17.9972, 18.7996



21.5848, 11.1232, 1.1979

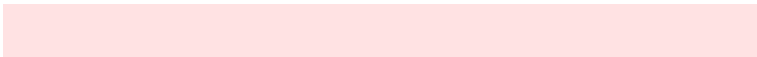


2.1101, 1.0864, 0.1613



# Inverse Universe

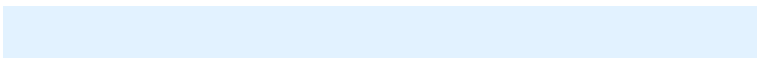
The Inverse Universe completely reimagines the original color for something new.



82.3034, 81.2022, 84.0099



79.6379, 77.2749, 78.7939



81.1540, 86.8659, 107.0973



18.0346, 17.9972, 18.7996



21.5848, 11.1232, 1.1979

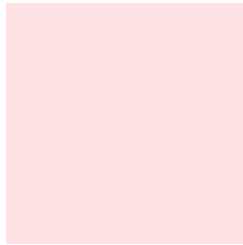


2.1101, 1.0864, 0.1613



# Previews

## White Background



This preview shows how the XYZ color 82.3015, 81.1988, 84.0082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

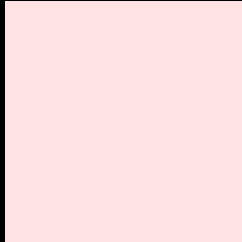
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3015, 81.1988, 84.0082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

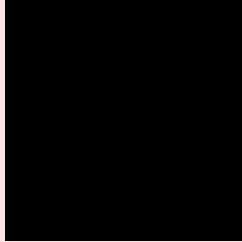
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

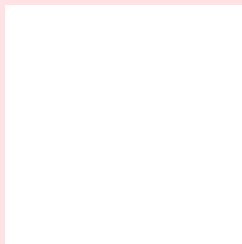
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.3015, 81.1988, 84.0082

## Background



This preview shows how black text looks on a background with the XYZ color 82.3015, 81.1988, 84.0082.



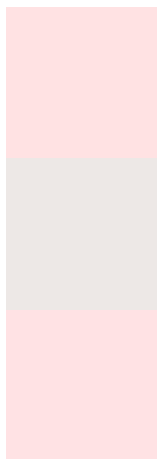
This preview shows how white text looks on a background with the XYZ color 82.3015, 81.1988,



# 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

82.3015, 81.1988, 84.0082

### Protanopia

78.0646, 81.4309, 86.4662

### Deuteranopia

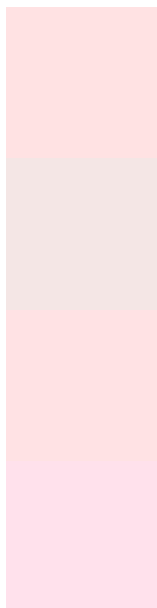
82.4399, 81.2541, 84.7374



## Tritanopia

84.0424, 81.4613, 94.5132

# Trichromacy



## Original Color

82.3015, 81.1988, 84.0082

## Protanomaly

79.7479, 81.4839, 85.6535

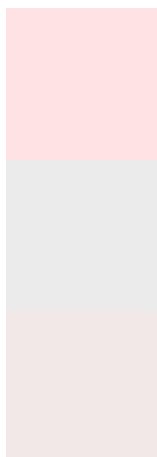
## Deuteranomaly

82.4399, 81.2541, 84.7374

## Tritanomaly

83.3055, 81.1666, 90.6329

# Monochromacy



## Original Color

82.3015, 81.1988, 84.0082

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

80.0401, 82.4167, 88.0334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3015, 81.1988, 84.0082 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, 226, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3015, 81.1988, 84.0082 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, 226, 227) }
```



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

```
.border{ border-color:rgb(255, 226, 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, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3015, 81.1988, 84.0082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 227) }
```

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

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