

# Converting Colors

XYZ(81.8899, 80.5945, 83.1964)

Have a look what the booklet for  
XYZ(81.8899, 80.5945, 83.1964)  
contains.

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# Color

**XYZ(81.8927, 80.6014,  
83.1929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1E2
RGB	255, 225, 226
RGB Percent	100%, 88%, 89%
CMY	0.0000, 0.1176, 0.1137
CMYK	0.00, 0.12, 0.11, 0.00
HSL	358°, 100%, 94%
HSV	358°, 12%, 100%
XYZ	81.8927, 80.6014, 83.1929
YIQ	234.0840, 17.5590, 6.6710

# Conversions

## Conversions Part 2

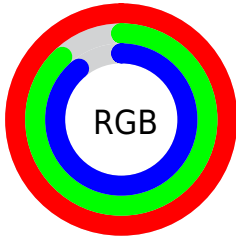
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 225, 226</a>
Decimal	<a href="#">16769506</a>
CIELab	<a href="#">91.95, 10.46, 3.29</a>
CIElCh	<a href="#">92, 10.965, 17.446</a>
Yxy	<a href="#">80.6014, 0.3333, 0.3281</a>
Android (android.graphics.Color)	<a href="#">4294959586</a> ( <a href="#">0xFFFFE1E2</a> )
YUV	<a href="#">234.0840, -3.9854, 18.3433</a>
Hunter-Lab	<a href="#">89.7783, 5.7096, 7.9038</a>

# Details

The XYZ color **81.8927, 80.6014, 83.1929** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.7033, 94.6846, 107.5813**, and the grayscale version is **78.2919, 82.3691, 89.7000**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0141, 43.6955, 44.5897** is the 20% darker color. If you saturate the color by 10%, you get **72.3637, 66.5735, 64.5092**, and if you desaturate by 10%, it is **92.9413, 96.8894, 104.7851**.

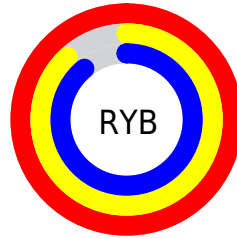
# Distribution



Red (100%)

Green (88%)

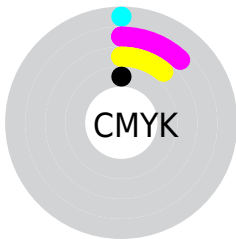
Blue (89%)



Red (100%)

Yellow (88%)

Blue (89%)

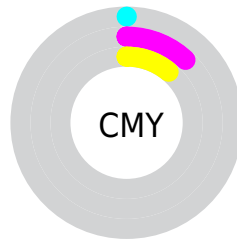


Cyan (0%)

Magenta (12%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8927, 80.6014, 83.1929 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 81.8927, 80.6014, 83.1929 by changing the saturation by 10% instead.



 81.8927, 80.6014,  
83.1929

 81.8927, 80.6014,  
83.1929


489.9287,  
496.9573, 525.6170

 61.5909, 60.2134,  
61.8078


134.9601,  
134.2109, 139.6972

 44.9566, 43.5906,  
44.4426


168.4565,  
168.2012, 175.6535

 31.6243, 30.3488,  
30.6789


207.0817,  
207.4944, 217.3040

 21.2289, 20.1035,  
20.0980

251.2012,  
252.4749, 265.0671

 13.4048, 12.4703,  
12.2815

301.1803,  
303.5270, 319.3614

 7.7868, 7.0648,  
6.8109

357.3843,

 4.0095, 3.5027,

361.0352, 380.6055

3.2674

420.1786,  
425.3838, 449.2178

■ 1.7075, 1.3995,  
1.2328

■ 0.4610, 0.2163,  
0.0057

■ 81.8927, 80.6014,  
83.1929

■ 81.8927, 80.6014,  
83.1929

■ 72.3637, 66.5735,  
64.5092

■ 92.9413, 96.8894,  
104.7851

■ 64.2826, 54.6966,  
48.6048

95.0500, 100.0000,  
108.9000

■ 57.5803, 44.8672,  
35.3487

■ 52.1798, 36.9698,  
24.5969

■ 47.9964, 30.8771,  
16.1921

■ 44.9358, 26.4467,  
9.9591

■ 42.8893, 23.5147,  
5.6981

■ 41.7272, 21.8841,  
3.1725

■ 41.2864, 21.2785,  
2.1742

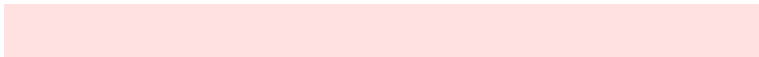
# Harmonies

## Analogous

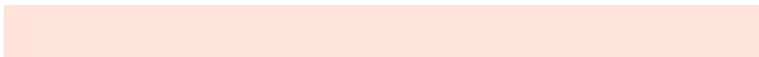
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0178, 80.6014, 91.1758



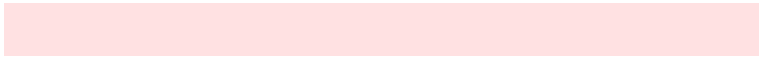
81.8927, 80.6014, 83.1929



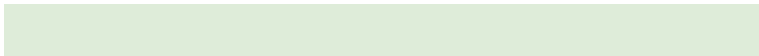
80.3304, 80.6014, 76.8247

# Triad

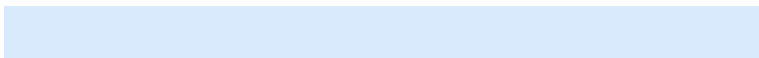
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8927, 80.6014, 83.1929



72.6887, 80.6014, 77.6845



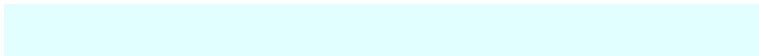
75.4381, 80.6014, 103.7875

# Complementary

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



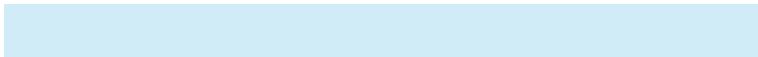
81.8927, 80.6014, 83.1929



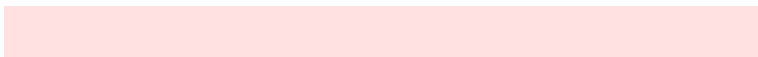
84.7033, 94.6846, 107.5813

# Split Complementary

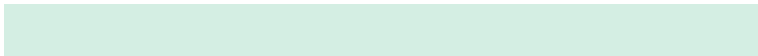
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0048, 80.6014, 99.6894



81.8927, 80.6014, 83.1929



71.4437, 80.6014, 84.4330

# Square

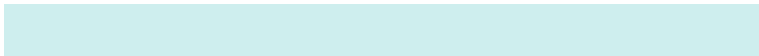
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8927, 80.6014, 83.1929



74.9970, 80.6014, 73.7808



71.5580, 80.6014, 92.4938



78.2443, 80.6014, 103.4047

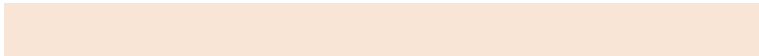


# Rectangle

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



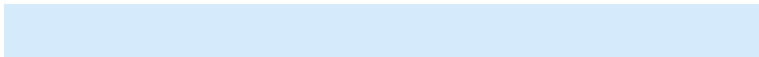
81.8927, 80.6014, 83.1929



78.7052, 80.6014, 74.2027



71.5580, 80.6014, 92.4938



74.5508, 80.6014, 102.8783

# Sweetspot

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



81.8945, 80.6048, 83.1946



90.3345, 93.0449, 99.6955



85.8500, 82.1446, 105.9384



19.1515, 19.6444, 20.9799



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

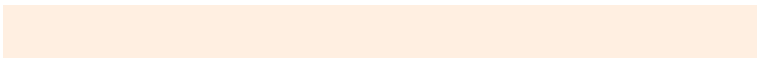
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8945, 80.6048, 83.1946



79.6325, 77.2728, 78.7654



85.6989, 88.4315, 83.7906



18.0338, 17.9968, 18.7952



21.5836, 11.1227, 1.1916

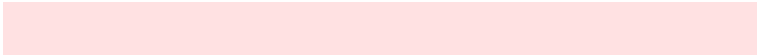


2.1097, 1.0863, 0.1592



# Inverse Universe

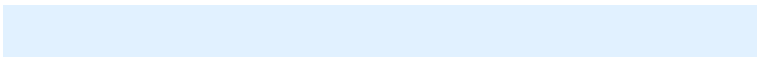
The Inverse Universe completely reimagines the original color for something new.



81.8945, 80.6048, 83.1946



79.6325, 77.2728, 78.7654



80.5593, 86.1408, 106.9886



18.0338, 17.9968, 18.7952



21.5836, 11.1227, 1.1916

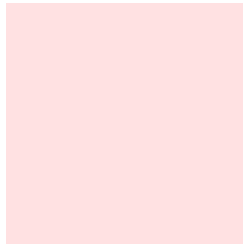


2.1097, 1.0863, 0.1592



# Previews

## White Background



This preview shows how the XYZ color 81.8927, 80.6014, 83.1929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

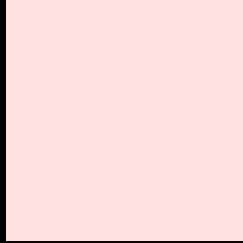
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8927, 80.6014, 83.1929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

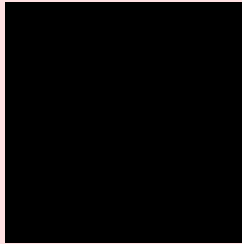
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

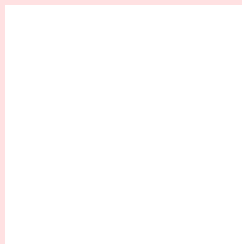
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.8927, 80.6014, 83.1929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.8927, 80.6014, 83.1929.



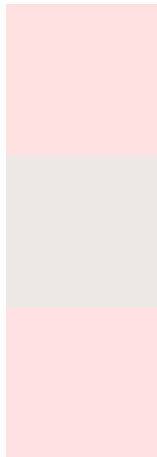
This preview shows how white text looks on a background with the XYZ color 81.8927, 80.6014,



# 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

81.8927, 80.6014, 83.1929

### Protanopia

77.6438, 80.8135, 85.6350

### Deuteranopia

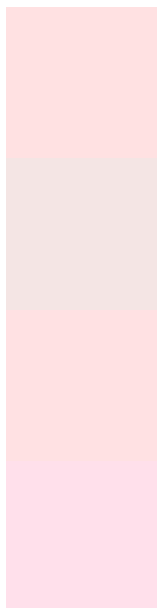
82.0303, 80.6565, 83.9178



## Tritanopia

83.6238, 80.8626, 93.6387

# Trichromacy



## Original Color

81.8927, 80.6014, 83.1929

## Protanomaly

79.3311, 80.8732, 84.8277

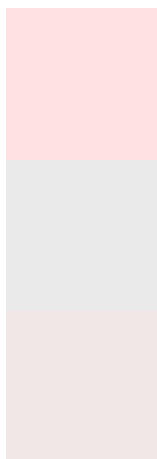
## Deuteranomaly

82.0303, 80.6565, 83.9178

## Tritanomaly

82.8911, 80.5695, 89.7799

# Monochromacy



## Original Color

81.8927, 80.6014, 83.1929

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.6177, 81.7986, 87.1937

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8927, 80.6014, 83.1929 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, 225, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 226)  
}
```

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, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8927, 80.6014, 83.1929 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, 225, 226) }
```



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

```
.border{ border-color:rgb(255, 225, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8927, 80.6014, 83.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 226) }
```

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

```
.background{ background-color: rgb(255,  
225, 226) }
```

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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