

# Converting Colors

XYZ(88.0489, 83.4764, 84.8662)

Have a look what the booklet for  
XYZ(88.0489, 83.4764, 84.8662)  
contains.

<b>XYZ(81.8992, 80.1727, 84.5571)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.8992, 80.1727,  
84.5571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0E4
RGB	255, 224, 228
RGB Percent	100%, 88%, 89%
CMY	0.0000, 0.1215, 0.1059
CMYK	0.00, 0.12, 0.11, 0.00
HSL	352°, 100%, 94%
HSV	352°, 12%, 100%
XYZ	81.8992, 80.1727, 84.5571
YIQ	233.7250, 17.1920, 7.8160

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 224, 228
Decimal	16769252
CIE <sub>Lab</sub>	91.76, 11.30, 1.96
CIE <sub>LCh</sub>	92, 11.468, 9.854
Yxy	80.1727, 0.3321, 0.3251
Android (android.graphics.Color)	4294959332 (0xFFFFE0E4)
YUV	233.7250, -2.8224, 18.6582
Hunter-Lab	89.5392, 6.5757, 6.6864

# Details

The XYZ color **81.8992, 80.1727, 84.5571** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.9156, 94.3336, 105.0559**, and the grayscale version is **78.0120, 82.0747, 89.3793**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0195, 43.3988, 45.5392** is the 20% darker color. If you saturate the color by 10%, you get **72.6649, 66.3259, 67.2304**, and if you desaturate by 10%, it is **92.5612, 96.2402, 104.3164**.

# 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 81.8992, 80.1727, 84.5571 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 81.8992, 80.1727, 84.5571 by changing the saturation by 10% instead.




 81.8992, 80.1727,  
84.5571

 81.8992, 80.1727,  
84.5571


489.9501,  
495.5147, 530.2677

 61.5963, 59.8605,  
62.9274


134.9692,  
133.6085, 141.6229

 44.9609, 43.3062,  
45.3419


168.4670,  
167.5009, 177.8961

 31.6278, 30.1254,  
31.3819


207.0938,  
206.6888, 219.8875

 21.2315, 19.9338,  
20.6289

251.2149,  
251.5566, 268.0158

 13.4068, 12.3469,  
12.6644

301.1957,  
302.4887, 322.6994

 7.7882, 6.9804,  
7.0699

357.4016,

 4.0104, 3.4499,

359.8694, 384.3569

3.4267

420.1980,  
424.0833, 453.4068

■ 1.7080, 1.3709,  
1.3164

■ 0.4613, 0.1951,  
0.0752

■ 81.8992, 80.1727,  
84.5571

■ 81.8992, 80.1727,  
84.5571

■ 72.6649, 66.3259,  
67.2304

■ 92.5612, 96.2402,  
104.3164

■ 64.7921, 54.5924,  
52.2373

95.0500, 100.0000,  
108.9000

■ 58.2177, 44.8712,  
39.4791

■ 52.8715, 37.0490,  
28.8484

■ 48.6764, 31.0013,  
20.2288

■ 45.5467, 26.5885,  
13.4926

■ 43.3843, 23.6502,  
8.4973

■ 42.0725, 21.9934,  
5.0793

■ 41.5127, 21.3691,  
3.3662

# Harmonies

## Analogous

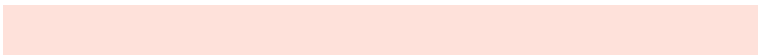
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6245, 80.1727, 92.9811



81.8992, 80.1727, 84.5571



80.6174, 80.1727, 77.3397

# Triad

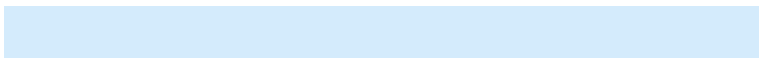
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8992, 80.1727, 84.5571



72.6416, 80.1727, 75.4637



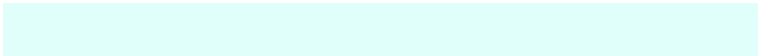
74.2742, 80.1727, 103.3669

# Complementary

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



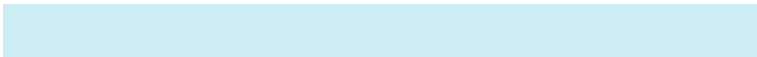
81.8992, 80.1727, 84.5571



83.9156, 94.3336, 105.0559

# 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.



71.9503, 80.1727, 98.0687



81.8992, 80.1727, 84.5571



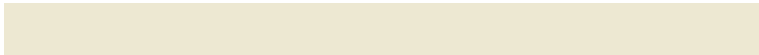
71.0246, 80.1727, 81.8445

# Square

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



81.8992, 80.1727, 84.5571



75.2399, 80.1727, 72.3169



70.7749, 80.1727, 90.0902



77.1718, 80.1727, 104.2092

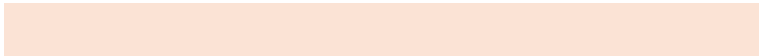


# Rectangle

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



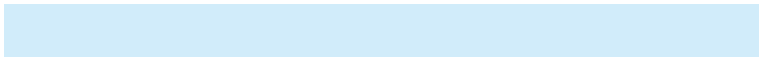
81.8992, 80.1727, 84.5571



79.0717, 80.1727, 74.0486



70.7749, 80.1727, 90.0902



73.4021, 80.1727, 102.0325

# Sweetspot

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



81.9011, 80.1761, 84.5588



90.4841, 93.1047, 100.4833



84.4432, 81.0192, 105.7954



19.1892, 19.6595, 21.1784



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

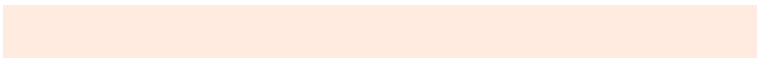
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9011, 80.1761, 84.5588



79.1305, 76.0138, 79.3847



84.5099, 86.2712, 82.7231



18.1047, 18.0252, 19.1683



21.7206, 11.1775, 1.9130



2.1432, 1.0996, 0.3353



# Inverse Universe

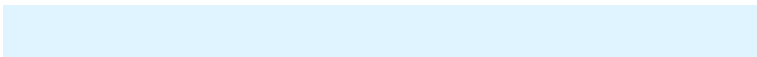
The Inverse Universe completely reimagines the original color for something new.



81.9011, 80.1761, 84.5588



79.1305, 76.0138, 79.3847



81.0335, 87.5505, 107.2358



18.1047, 18.0252, 19.1683



21.7206, 11.1775, 1.9130

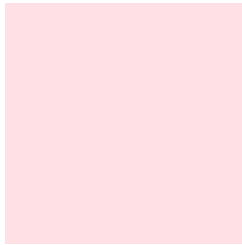


2.1432, 1.0996, 0.3353



# Previews

## White Background



This preview shows how the XYZ color 81.8992, 80.1727, 84.5571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

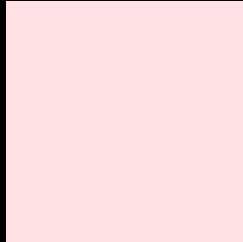
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8992, 80.1727, 84.5571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

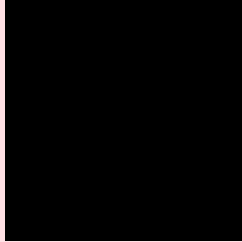
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.8992, 80.1727, 84.5571

## Background



This preview shows how black text looks on a background with the XYZ color 81.8992, 80.1727, 84.5571.



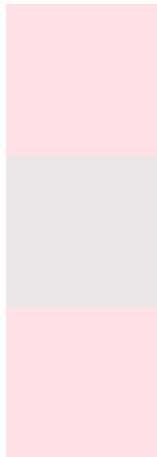
This preview shows how white text looks on a background with the XYZ color 81.8992, 80.1727,

84.5571.

# 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

81.8992, 80.1727, 84.5571

### Protanopia

77.1233, 80.0820, 87.7365

### Deuteranopia

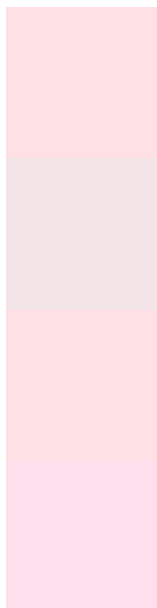
81.8992, 80.1727, 84.5571



## Tritanopia

83.2077, 80.2673, 92.7690

# Trichromacy



## Original Color

81.8992, 80.1727, 84.5571

## Protanomaly

78.7852, 80.1336, 86.9162

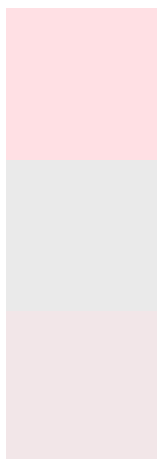
## Deuteranomaly

81.8992, 80.1727, 84.5571

## Tritanomaly

82.6231, 80.0335, 89.6906

# Monochromacy



## Original Color

81.8992, 80.1727, 84.5571

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.4803, 81.2971, 87.8468

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8992, 80.1727, 84.5571 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, 224, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8992, 80.1727, 84.5571 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, 224, 228) }
```



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

```
.border{ border-color:rgb(255, 224, 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, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8992, 80.1727, 84.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 228) }
```

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

```
.background{ background-color: rgb(255,  
224, 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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