

Converting Colors

XYZ(83.1270, 80.4636, 91.6396)

Have a look what the booklet for
XYZ(83.1270, 80.4636, 91.6396)
contains.

XYZ(83.1817, 80.6857, 91.3105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.1817, 80.6857,
91.3105)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE0ED
RGB	255, 224, 237
RGB Percent	100%, 88%, 93%
CMY	0.0000, 0.1215, 0.0706
CMYK	0.00, 0.12, 0.07, 0.00
HSL	335°, 100%, 94%
HSV	335°, 12%, 100%
XYZ	83.1817, 80.6857, 91.3105
YIQ	234.7510, 14.3030, 10.6150

Conversions

Conversions Part 2

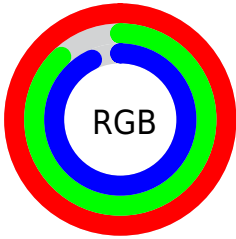
Format	Color
R _Y B	255, 224, 237
Decimal	16769261
CIE Lab	91.99, 12.78, -2.41
CIE LCh	92, 13.007, 349.317
Yxy	80.6857, 0.3260, 0.3162
Android (android.graphics.Color)	4294959341 (0xFFFFE0ED)
YUV	234.7510, 1.1088, 17.7584
Hunter-Lab	89.8252, 8.1039, 2.6073

Details

The XYZ color **83.1817, 80.6857, 91.3105** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.5300, 93.7793, 97.7593**, and the grayscale version is **78.7621, 82.8639, 90.2388**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8172, 43.7179, 49.7396** is the 20% darker color. If you saturate the color by 10%, you get **74.7607, 67.1642, 78.2669**, and if you desaturate by 10%, it is **92.8128, 96.3408, 105.6412**.

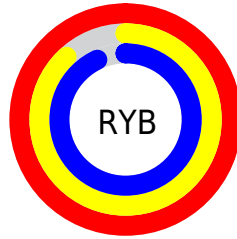
Distribution



Red (100%)

Green (88%)

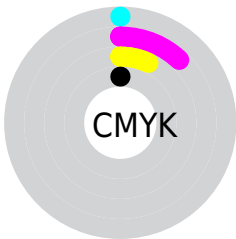
Blue (93%)



Red (100%)

Yellow (88%)

Blue (93%)

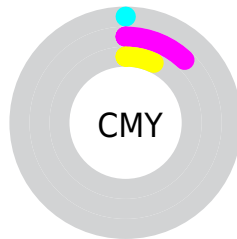


Cyan (0%)

Magenta (12%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1817, 80.6857, 91.3105 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 83.1817, 80.6857, 91.3105 by changing the saturation by 10% instead.


 83.1817, 80.6857,
91.3105

 83.1817, 80.6857,
91.3105


494.1667,
497.2407, 552.9644

 62.6575, 60.2828,
68.4883


136.7571,
134.3294, 151.1088

 45.8218, 43.6466,
49.8259


170.5390,
168.3389, 188.9219

 32.3092, 30.3928,
34.9049


209.4709,
207.6527, 232.5691

 21.7545, 20.1369,
23.3066

253.9180,
252.6553, 282.4688

 13.7922, 12.4946,
14.6127

304.2458,
303.7310, 339.0397

 8.0570, 7.0815,
8.4044

360.8196,

 4.1836, 3.5131,

361.2642, 402.7002

4.2633

424.0048,
425.6393, 473.8689

■ 1.8065, 1.4051,
1.7709

■ 0.5216, 0.2205,
0.4086

■ 83.1817, 80.6857,
91.3105

■ 83.1817, 80.6857,
91.3105

■ 74.7607, 67.1642,
78.2669

■ 92.8128, 96.3408,
105.6412

■ 67.4944, 55.6733,
66.4675

95.0500, 100.0000,
108.9000

■ 61.3311, 46.1166,
55.8741

■ 56.2130, 38.3856,
46.4446

■ 52.0766, 32.3613,
38.1338

■ 48.8510, 27.9102,
30.8931

■ 46.4553, 24.8786,
24.6691

■ 44.7923, 23.0813,
19.4017

■ 43.8896, 22.3198,
15.8826

Harmonies

Analogous

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



81.6684, 80.6857, 100.4098



83.1817, 80.6857, 91.3105



82.9176, 80.6857, 81.9023

Triad

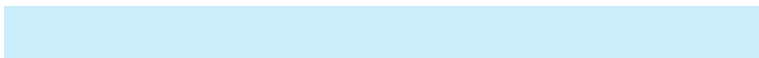
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1817, 80.6857, 91.3105



74.5824, 80.6857, 71.5983



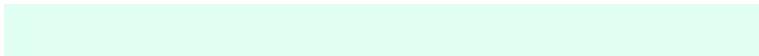
72.5745, 80.6857, 102.5675

Complementary

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



83.1817, 80.6857, 91.3105



82.5300, 93.7793, 97.7593

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.



70.7811, 80.6857, 94.0852



83.1817, 80.6857, 91.3105



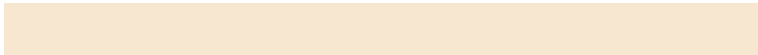
71.9168, 80.6857, 76.3893

Square

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



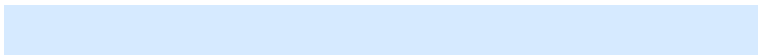
83.1817, 80.6857, 91.3105



77.8873, 80.6857, 70.9743



70.5439, 80.6857, 84.4839



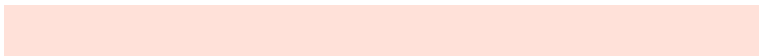
75.5037, 80.6857, 107.2157

Rectangle

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



83.1817, 80.6857, 91.3105



81.7713, 80.6857, 76.6961



70.5439, 80.6857, 84.4839



71.8225, 80.6857, 100.0426

Sweetspot

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



83.1835, 80.6890, 91.3122



90.9428, 93.2882, 102.8986



81.1775, 79.3356, 105.6425



19.3050, 19.7058, 21.7880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

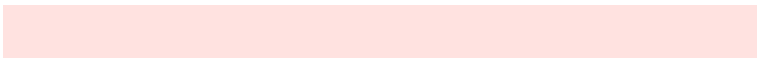
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1835, 80.6890, 91.3122



80.6662, 76.6280, 87.4712



81.9113, 81.0741, 81.8569



18.3253, 18.1134, 20.3302



23.0038, 11.6908, 8.6703



2.2928, 1.1595, 1.1236

Inverse Universe

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



83.1835, 80.6890, 91.3122



80.6662, 76.6280, 87.4712



83.8967, 93.2770, 108.1902



18.3253, 18.1134, 20.3302



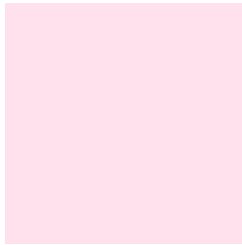
23.0038, 11.6908, 8.6703



2.2928, 1.1595, 1.1236

Previews

White Background



This preview shows how the XYZ color 83.1817, 80.6857, 91.3105 looks on a white background.

Color Contrast Check

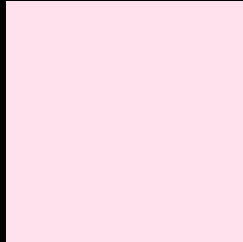
Large Text (above 18pt) WCAG AA × Fail

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 83.1817, 80.6857, 91.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

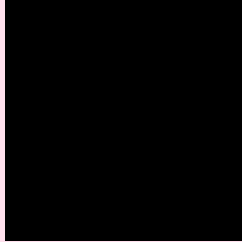
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.1817, 80.6857, 91.3105

Background



This preview shows how black text looks on a background with the XYZ color 83.1817, 80.6857, 91.3105.



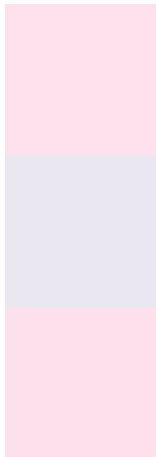
This preview shows how white text looks on a background with the XYZ color 83.1817, 80.6857,

91.3105.

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

83.1817, 80.6857, 91.3105

Protanopia

78.3848, 80.9951, 94.7214

Deuteranopia

82.3562, 80.6603, 91.3491



Tritanopia

83.7728, 80.9222, 94.4233

Trichromacy



Original Color

83.1817, 80.6857, 91.3105

Protanomaly

80.0895, 80.6553, 93.7849

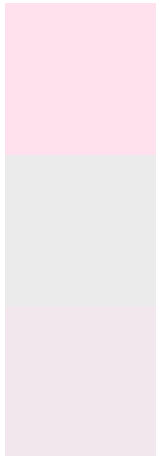
Deuteranomaly

82.7193, 80.8475, 91.3661

Tritanomaly

83.6238, 80.8626, 93.6387

Monochromacy



Original Color

83.1817, 80.6857, 91.3105

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

80.3342, 82.0852, 90.9668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1817, 80.6857, 91.3105 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, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 237) }
```

Border

The CSS property to change the border of an element to XYZ 83.1817, 80.6857, 91.3105 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, 237) }
```


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

```
.border{ border-color:rgb(255, 224, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1817, 80.6857, 91.3105 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
224, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor