

Converting Colors

XYZ(87.1904, 83.4502, 91.5486)

Have a look what the booklet for
XYZ(87.1904, 83.4502, 91.5486)
contains.

XYZ(83.7224, 81.7671, 91.4908)	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(83.7224, 81.7671,
91.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2ED
RGB	255, 226, 237
RGB Percent	100%, 89%, 93%
CMY	0.0000, 0.1137, 0.0706
CMYK	0.00, 0.11, 0.07, 0.00
HSL	337°, 100%, 94%
HSV	337°, 11%, 100%
XYZ	83.7224, 81.7671, 91.4908
YIQ	235.9250, 13.7530, 9.5690

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 226, 237
Decimal	16769773
CIE Lab	92.47, 11.75, -1.71
CIE LCh	92, 11.869, 351.730
Yxy	81.7671, 0.3258, 0.3182
Android (android.graphics.Color)	4294959853 (0xFFFFE2ED)
YUV	235.9250, 0.5300, 16.7288
Hunter-Lab	90.4252, 7.0247, 3.3089

Details

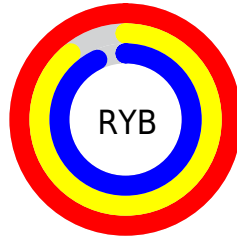
The XYZ color **83.7224, 81.7671, 91.4908** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.4557, 94.2216, 99.3794**, and the grayscale version is **79.6618, 83.8104, 91.2695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1921, 44.4678, 49.8646** is the 20% darker color. If you saturate the color by 10%, you get **75.0858, 68.0329, 77.7012**, and if you desaturate by 10%, it is **93.5981, 97.6520, 106.7030**.

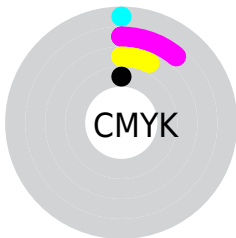
Distribution



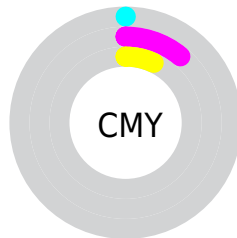
- Red (100%)
- Green (89%)
- Blue (93%)



- Red (100%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7224, 81.7671, 91.4908 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 83.7224, 81.7671, 91.4908 by changing the saturation by 10% instead.


 83.7224, 81.7671,
91.4908

 83.7224, 81.7671,
91.4908

495.9385,
500.8683, 553.5633

 63.1052, 61.1736,
68.6371


137.5101,
135.8473, 151.3610

 46.1853, 44.3653,
49.9463


171.4112,
170.1029, 189.2146

 32.5973, 30.9578,
34.9999


210.4711,
209.6812, 232.9053

 21.9759, 20.5667,
23.3792

255.0551,
254.9667, 282.8515

 13.9557, 12.8076,
14.6658

305.5284,
306.3437, 339.4719

 8.1713, 7.2962,
8.4412

362.2565,

 4.2575, 3.6480,

364.1968, 403.1850

4.2867

425.6048,
428.9102, 474.4092

■ 1.8488, 1.4787,
1.7839

■ 0.5468, 0.2737,
0.4173

■ 83.7224, 81.7671,
91.4908

■ 83.7224, 81.7671,
91.4908

■ 75.0858, 68.0329,
77.7012

■ 93.5981, 97.6520,
106.7030

■ 67.6320, 56.3466,
65.2862

95.0500, 100.0000,
108.9000

■ 61.3088, 46.6118,
54.2025

■ 56.0576, 38.7205,
44.4023

■ 51.8142, 32.5540,
35.8348

■ 48.5073, 27.9796,
28.4451

■ 46.0554, 24.8451,
22.1731

■ 44.3615, 22.9678,
16.9518

■ 43.3840, 22.1176,
13.2200

Harmonies

Analogous

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



82.4569, 81.7671, 99.9467



83.7224, 81.7671, 91.4908



83.3457, 81.7671, 82.9013

Triad

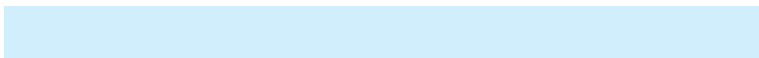
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7224, 81.7671, 91.4908



75.5465, 81.7671, 74.1951



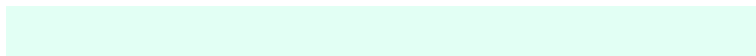
74.1088, 81.7671, 103.0119

Complementary

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



83.7224, 81.7671, 91.4908



83.4557, 94.2216, 99.3794

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.



72.3480, 81.7671, 95.4545



83.7224, 81.7671, 91.4908



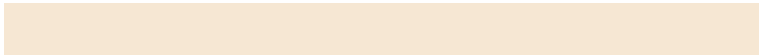
73.1626, 81.7671, 78.9395

Square

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



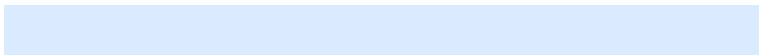
83.7224, 81.7671, 91.4908



78.5716, 81.7671, 73.2882



72.0062, 81.7671, 86.6147



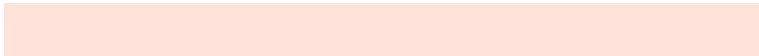
76.8690, 81.7671, 106.8795

Rectangle

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



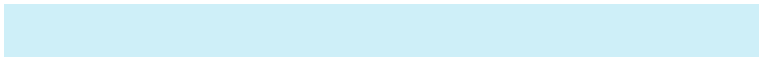
83.7224, 81.7671, 91.4908



82.2182, 81.7671, 78.2181



72.0062, 81.7671, 86.6147



73.3835, 81.7671, 100.7960

Sweetspot

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



83.7243, 81.7705, 91.4925



91.9026, 94.9137, 104.1255



82.5165, 80.8286, 105.8601



19.4951, 20.0317, 22.0188



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

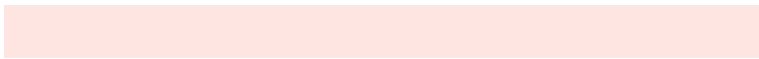
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7243, 81.7705, 91.4925



81.3348, 77.9537, 87.7299



83.0952, 83.0052, 83.5978



18.2944, 18.1011, 20.1673



22.7358, 11.5836, 7.2594



2.2648, 1.1483, 0.9761

Inverse Universe

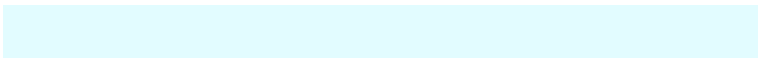
The Inverse Universe completely reimagines the original color for something new.



83.7243, 81.7705, 91.4925



81.3348, 77.9537, 87.7299



84.1062, 92.7704, 108.0814



18.2944, 18.1011, 20.1673



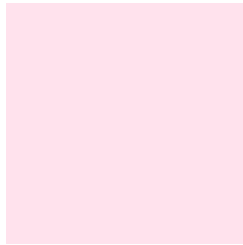
22.7358, 11.5836, 7.2594



2.2648, 1.1483, 0.9761

Previews

White Background



This preview shows how the XYZ color 83.7224, 81.7671, 91.4908 looks on a white background.

Color Contrast Check

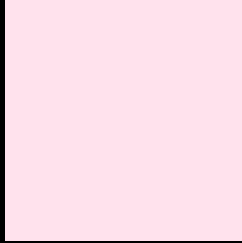
Large Text (above 18pt) WCAG AA × Fail

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 83.7224, 81.7671, 91.4908 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 83.7224, 81.7671, 91.4908

Background



This preview shows how black text looks on a background with the XYZ color 83.7224, 81.7671, 91.4908.



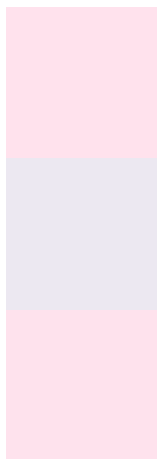
This preview shows how white text looks on a background with the XYZ color 83.7224, 81.7671,

91.4908.

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

83.7224, 81.7671, 91.4908

Protanopia

79.3259, 81.8970, 94.8459

Deuteranopia

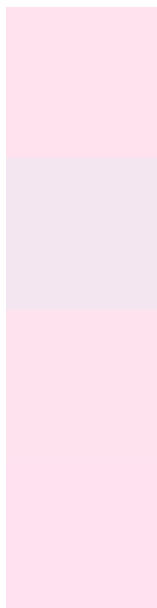
83.3555, 81.5780, 91.4736



Tritanopia

84.1922, 81.5212, 95.3022

Trichromacy



Original Color

83.7224, 81.7671, 91.4908

Protanomaly

80.9871, 81.9396, 93.9855

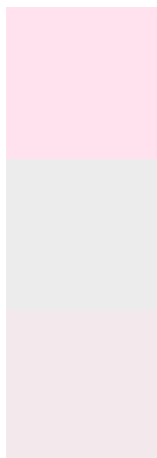
Deuteranomaly

83.3555, 81.5780, 91.4736

Tritanomaly

83.8934, 81.4017, 93.7285

Monochromacy



Original Color

83.7224, 81.7671, 91.4908

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.9591, 82.8240, 91.0765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7224, 81.7671, 91.4908 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, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 237) }
```

Border

The CSS property to change the border of an element to XYZ 83.7224, 81.7671, 91.4908 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, 237) }
```


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

```
.border{ border-color:rgb(255, 226, 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, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7224, 81.7671, 91.4908 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, 237) }
```

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

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