

Converting Colors

XYZ(81.6135, 78.2948, 88.4898)

Have a look what the booklet for
XYZ(81.6135, 78.2948, 88.4898)
contains.

XYZ(81.6845, 78.3869, 88.6669)	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(81.6845, 78.3869,
88.6669)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCEA
RGB	255, 220, 234
RGB Percent	100%, 86%, 92%
CMY	0.0000, 0.1372, 0.0823
CMYK	0.00, 0.14, 0.08, 0.00
HSL	336°, 100%, 93%
HSV	336°, 14%, 100%
XYZ	81.6845, 78.3869, 88.6669
YIQ	232.0610, 16.3660, 11.7740

Conversions

Conversions Part 2

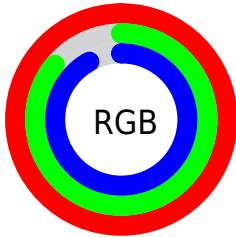
Format	Color
R _Y B	255, 220, 234
Decimal	16768234
CIE Lab	90.96, 14.36, -2.36
CIE LCh	91, 14.550, 350.671
Yxy	78.3869, 0.3284, 0.3151
Android (android.graphics.Color)	4294958314 (0xFFFFDCEA)
YUV	232.0610, 0.9559, 20.1175
Hunter-Lab	88.5364, 9.7471, 2.5981

Details

The XYZ color **81.6845, 78.3869, 88.6669** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.1548, 93.0877, 96.9129**, and the grayscale version is **76.7335, 80.7296, 87.9145**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7797, 42.1304, 47.8913** is the 20% darker color. If you saturate the color by 10%, you get **73.3913, 65.1679, 75.5215**, and if you desaturate by 10%, it is **91.1919, 93.7299, 103.1559**.

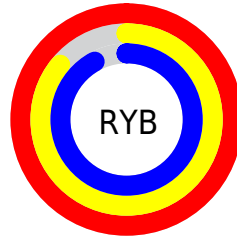
Distribution



Red (100%)

Green (86%)

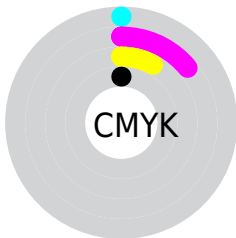
Blue (92%)



Red (100%)

Yellow (86%)

Blue (92%)

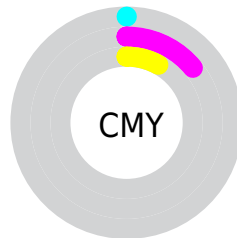


Cyan (0%)

Magenta (14%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6845, 78.3869, 88.6669 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 81.6845, 78.3869, 88.6669 by changing the saturation by 10% instead.


 81.6845, 78.3869,
88.6669

 81.6845, 78.3869,
88.6669


489.2423,
489.4798, 544.1425

 61.4187, 58.3919,
66.3080

134.6696,
131.0954, 147.4046

 44.8170, 42.1238,
48.0644


168.1197,
164.5776, 184.6204

 31.5140, 29.1982,
33.5176


206.6952,
203.3244, 227.6257

 21.1443, 19.2308,
22.2489

250.7615,
247.7201, 276.8390

 13.3426, 11.8372,
13.8398

300.6840,
298.1490, 332.6788

 7.7435, 6.6329,
7.8719

356.8281,

 3.9817, 3.2336,

354.9957, 395.5636

3.9265

419.5591,
418.6445, 465.9120

■ 1.6918, 1.2549,
1.5851

■ 0.4511, 0.1059,
0.2801

■ 81.6845, 78.3869,
88.6669

■ 81.6845, 78.3869,
88.6669

■ 73.3913, 65.1679,
75.5215

■ 91.1919, 93.7299,
103.1559

■ 66.2561, 53.9690,
63.6743

95.0500, 100.0000,
108.9000

■ 60.2262, 44.6922,
53.0841

■ 55.2422, 37.2275,
43.7056

■ 51.2392, 31.4535,
35.4905

■ 48.1445, 27.2338,
28.3863

■ 45.8742, 24.4106,
22.3354

■ 44.3272, 22.7915,
17.2727

■ 43.6375, 22.2190,
14.5553

Harmonies

Analogous

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



80.0954, 78.3869, 98.8050



81.6845, 78.3869, 88.6669



81.3014, 78.3869, 78.4149

Triad

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



81.6845, 78.3869, 88.6669



72.0418, 78.3869, 67.8087



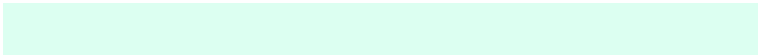
70.1224, 78.3869, 101.9508

Complementary

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



81.6845, 78.3869, 88.6669



81.1548, 93.0877, 96.9129

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.



68.0972, 78.3869, 92.6824



81.6845, 78.3869, 88.6669



69.1798, 78.3869, 73.1756

Square

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



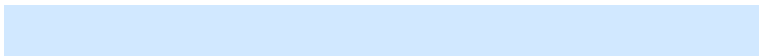
81.6845, 78.3869, 88.6669



75.6537, 78.3869, 66.9260



67.7579, 78.3869, 82.1169



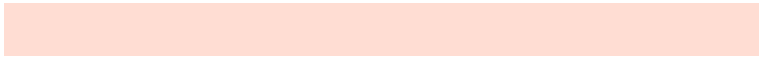
73.3668, 78.3869, 106.8784

Rectangle

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



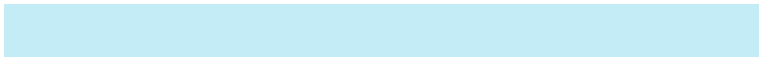
81.6845, 78.3869, 88.6669



79.9839, 78.3869, 72.8487



67.7579, 78.3869, 82.1169



69.2810, 78.3869, 99.2055

Sweetspot

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



81.6863, 78.3901, 88.6685



90.9120, 93.2759, 102.7364



79.9212, 77.1107, 105.2793



19.2972, 19.7027, 21.7470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

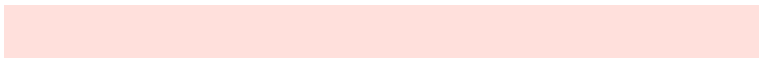
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6863, 78.3901, 88.6685



79.6930, 75.1967, 85.5588



80.6820, 79.4734, 78.8018



18.3103, 18.1074, 20.2514



22.8704, 11.6374, 7.9678



2.2790, 1.1540, 1.0506

Inverse Universe

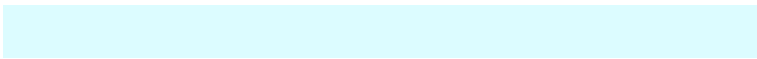
The Inverse Universe completely reimagines the original color for something new.



81.6863, 78.3901, 88.6685



79.6930, 75.1967, 85.5588



82.2208, 91.7441, 107.9826



18.3103, 18.1074, 20.2514



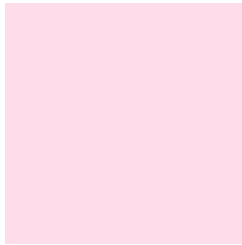
22.8704, 11.6374, 7.9678



2.2790, 1.1540, 1.0506

Previews

White Background



This preview shows how the XYZ color 81.6845, 78.3869, 88.6669 looks on a white background.

Color Contrast Check

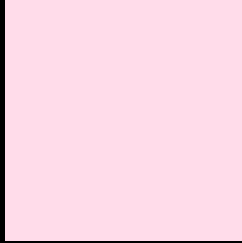
Large Text (above 18pt) WCAG AA × Fail

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 81.6845, 78.3869, 88.6669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

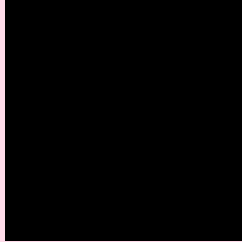
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6845, 78.3869, 88.6669

Background



This preview shows how black text looks on a background with the XYZ color 81.6845, 78.3869, 88.6669.



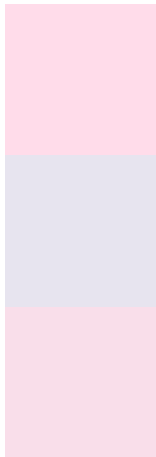
This preview shows how white text looks on a background with the XYZ color 81.6845, 78.3869,

88.6669.

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

81.6845, 78.3869, 88.6669

Protanopia

76.2784, 78.7077, 92.8332

Deuteranopia

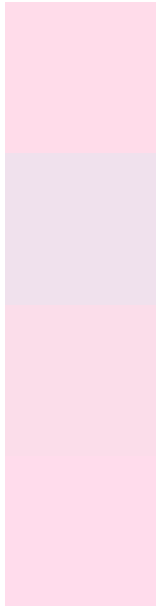
80.0395, 78.3228, 88.7412



Tritanopia

82.1193, 78.5608, 90.9564

Trichromacy



Original Color

81.6845, 78.3869, 88.6669

Protanomaly

78.1465, 78.4901, 91.1521

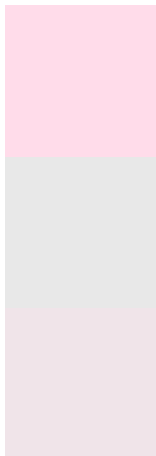
Deuteranomaly

80.4914, 78.1626, 88.6864

Tritanomaly

81.9735, 78.5025, 90.1889

Monochromacy



Original Color

81.6845, 78.3869, 88.6669

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

78.3866, 79.8953, 88.3807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6845, 78.3869, 88.6669 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, 220, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 234)  
}
```

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, 220, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 234) }
```

Border

The CSS property to change the border of an element to XYZ 81.6845, 78.3869, 88.6669 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, 220, 234) }
```


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

```
.border{ border-color:rgb(255, 220, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6845, 78.3869, 88.6669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 234) }
```

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

```
.background{ background-color: rgb(255,  
220, 234) }
```

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