

Converting Colors

XYZ(77.1586, 69.5883, 86.3780)

Have a look what the booklet for
XYZ(77.1586, 69.5883, 86.3780)
contains.

XYZ(77.0685, 69.3843, 86.4213)	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(77.0685, 69.3843,
86.4213)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAE9
RGB	255, 202, 233
RGB Percent	100%, 79%, 91%
CMY	0.0000, 0.2078, 0.0863
CMYK	0.00, 0.21, 0.09, 0.00
HSL	325°, 100%, 90%
HSV	325°, 21%, 100%
XYZ	77.0685, 69.3843, 86.4213
YIQ	221.3810, 21.6370, 20.8770

Conversions

Conversions Part 2

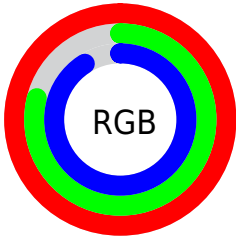
Format	Color
R _Y B	255, 202, 233
Decimal	16763625
CIE Lab	86.69, 23.60, -8.12
CIE LCh	87, 24.957, 341.020
Yxy	69.3843, 0.3309, 0.2979
Android (android.graphics.Color)	4294953705 (0xFFFFCAE9)
YUV	221.3810, 5.7282, 29.4839
Hunter-Lab	83.2972, 19.3821, -3.2056

Details

The XYZ color **77.0685, 69.3843, 86.4213** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.5740, 89.4595, 83.9141**, and the grayscale version is **68.9468, 72.5374, 78.9932**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8144, 36.3599, 46.4093** is the 20% darker color. If you saturate the color by 10%, you get **70.1054, 57.8058, 76.8624**, and if you desaturate by 10%, it is **85.1142, 82.9820, 96.7905**.

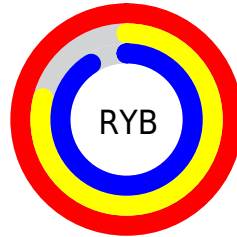
Distribution



Red (100%)

Green (79%)

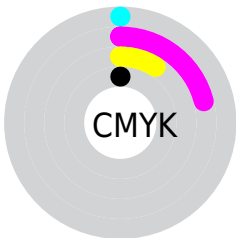
Blue (91%)



Red (100%)

Yellow (79%)

Blue (91%)

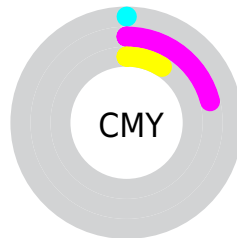


Cyan (0%)

Magenta (21%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0685, 69.3843, 86.4213 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 77.0685, 69.3843, 86.4213 by changing the saturation by 10% instead.

77.0685, 69.3843,
86.4213

77.0685, 69.3843,
86.4213

473.8859,
458.3852, 536.5861

57.6092, 51.0247,
64.4595

128.2085,
118.3303, 144.2490

41.7366, 36.2283,
46.5744

160.6199,
149.6855, 180.9520

29.0853, 24.6106,
32.3474

198.0795,
186.1415, 223.4058

19.2900, 15.7872,
21.3600

240.9524,
228.0825, 272.0290

11.9852, 9.3737,
13.1936

289.6042,
275.8930, 327.2401

6.8058, 4.9857,
7.4297

344.4001,

3.3862, 2.2389,

329.9573, 389.4576

3.6498

405.7056,
390.6599, 459.1001

■ 1.3611, 0.7411,
1.4352

■ 0.2283, 0.0000,
0.1690

■ 77.0685, 69.3843,
86.4213

■ 77.0685, 69.3843,
86.4213

■ 70.1054, 57.8058,
76.8624

■ 85.1142, 82.9820,
96.7905

■ 64.1698, 48.1401,
68.0849

■ 94.2842, 98.6812,
107.9887

■ 59.2093, 40.2843,
60.0643

■ 95.0500, 100.0000,
108.9000

■ 55.1642, 34.1221,
52.7725

■ 51.9684, 29.5237,
46.1789

■ 49.5459, 26.3401,
40.2496

■ 47.8061, 24.3929,
34.9452

■ 46.6764, 23.4346,
30.5576

Harmonies

Analogous

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



73.5432, 69.3843, 102.3048



77.0685, 69.3843, 86.4213



77.5140, 69.3843, 69.6039

Triad

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



77.0685, 69.3843, 86.4213



63.8382, 69.3843, 48.3286



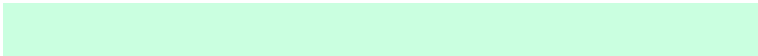
57.8846, 69.3843, 98.5148

Complementary

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



77.0685, 69.3843, 86.4213



73.5740, 89.4595, 83.9141

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.



55.5933, 69.3843, 81.8206



77.0685, 69.3843, 86.4213



58.8940, 69.3843, 53.9172

Square

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



77.0685, 69.3843, 86.4213



69.6425, 69.3843, 49.1857



55.9517, 69.3843, 65.6267



62.3859, 69.3843, 109.9632

Rectangle

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



77.0685, 69.3843, 86.4213



75.9765, 69.3843, 60.2512



55.9517, 69.3843, 65.6267



56.8427, 69.3843, 93.2361

Sweetspot

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



77.0701, 69.3872, 86.4227



89.3560, 90.2213, 102.0404



69.6662, 65.1843, 103.5178



18.9986, 19.0933, 21.6849



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.



77.0701, 69.3872, 86.4227



74.0035, 64.2620, 82.2930



73.6618, 68.0239, 68.4750



18.4550, 18.1653, 21.0133



24.4655, 12.2755, 16.3679



2.4366, 1.2170, 1.8804

Inverse Universe

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



77.0701, 69.3872, 86.4227



74.0035, 64.2620, 82.2930



77.3272, 90.9608, 103.6781



18.4550, 18.1653, 21.0133



24.4655, 12.2755, 16.3679



2.4366, 1.2170, 1.8804

Previews

White Background



This preview shows how the XYZ color 77.0685, 69.3843, 86.4213 looks on a white background.

Color Contrast Check

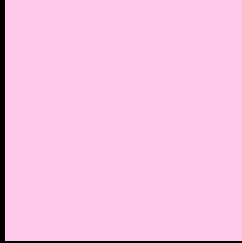
Large Text (above 18pt) WCAG AA × Fail

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 77.0685, 69.3843, 86.4213 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 77.0685, 69.3843, 86.4213

Background



This preview shows how black text looks on a background with the XYZ color 77.0685, 69.3843, 86.4213.



This preview shows how white text looks on a background with the XYZ color 77.0685, 69.3843,

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

77.0685, 69.3843, 86.4213

Protanopia

68.3144, 69.8187, 93.8802

Deuteranopia

70.9968, 69.5139, 85.2769



Tritanopia

75.0191, 69.2357, 77.1200

Trichromacy



Original Color

77.0685, 69.3843, 86.4213

Protanomaly

71.1874, 69.4785, 91.3201

Deuteranomaly

73.0565, 69.4632, 85.9012

Tritanomaly

75.8196, 69.2189, 80.5986

Monochromacy



Original Color

77.0685, 69.3843, 86.4213

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

71.2414, 70.8530, 81.1553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0685, 69.3843, 86.4213 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, 202, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 233)  
}
```

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, 202, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.0685, 69.3843, 86.4213 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, 202, 233) }
```


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

```
.border{ border-color:rgb(255, 202, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0685, 69.3843, 86.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 233) }
```

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

```
.background{ background-color: rgb(255,  
202, 233) }
```

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