

Converting Colors

XYZ(80.2778, 76.1756, 86.3419)

Have a look what the booklet for
XYZ(80.2778, 76.1756, 86.3419)
contains.

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Color

**XYZ(80.2197, 76.1413,
86.0700)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD8E7
RGB	255, 216, 231
RGB Percent	100%, 85%, 91%
CMY	0.0000, 0.1529, 0.0941
CMYK	0.00, 0.15, 0.09, 0.00
HSL	337°, 100%, 92%
HSV	337°, 15%, 100%
XYZ	80.2197, 76.1413, 86.0700
YIQ	229.3710, 18.4290, 12.9330

Conversions

Conversions Part 2

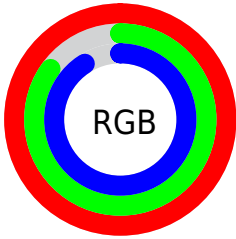
Format	Color
R_{YB}	255, 216, 231
Decimal	16767207
CIE _{Lab}	89.92, 15.94, -2.30
CIE _{LCh}	90, 16.109, 351.809
Yxy	76.1413, 0.3309, 0.3141
Android (android.graphics.Color)	4294957287 (0xFFFFD8E7)
YUV	229.3710, 0.8031, 22.4766
Hunter-Lab	87.2590, 11.3970, 2.5992

Details

The XYZ color **80.2197, 76.1413, 86.0700** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.8096, 92.4114, 96.0725**, and the grayscale version is **74.7357, 78.6278, 85.6257**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7714, 40.5907, 46.0852** is the 20% darker color. If you saturate the color by 10%, you get **72.0686, 63.2287, 72.9034**, and if you desaturate by 10%, it is **89.5868, 91.1672, 100.6246**.

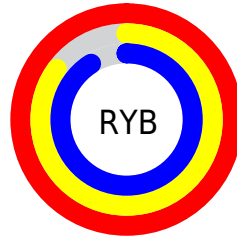
Distribution



Red (100%)

Green (85%)

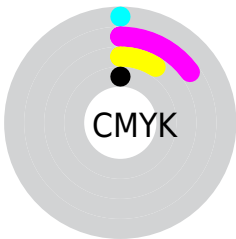
Blue (91%)



Red (100%)

Yellow (85%)

Blue (91%)

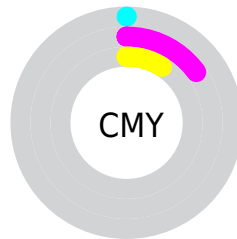


Cyan (0%)

Magenta (15%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2197, 76.1413, 86.0700 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 80.2197, 76.1413, 86.0700 by changing the saturation by 10% instead.


 80.2197, 76.1413,
86.0700

 80.2197, 76.1413,
86.0700


484.3982,
481.8313, 535.3986

 60.2082, 56.5484,
64.1706


132.6235,
127.9266, 143.7546

 43.8366, 40.6428,
46.3418


165.7465,
160.8878, 180.3769

 30.7394, 28.0401,
32.1650


203.9708,
199.0739, 222.7439

 20.5514, 18.3559,
21.2217

247.6617,
242.8692, 271.2741

 12.9071, 11.2058,
13.0934

297.1845,
292.6582, 326.3862

 7.4411, 6.2054,
7.3614

352.9046,

 3.7882, 2.9704,

348.8253, 388.4986

3.6073

415.1874,
411.7549, 458.0299

■ 1.5830, 1.1163,
1.4125

■ 0.3813, 0.0000,
0.1514

■ 80.2197, 76.1413,
86.0700

■ 80.2197, 76.1413,
86.0700

■ 72.0686, 63.2287,
72.9034

■ 89.5868, 91.1672,
100.6246

■ 65.0765, 52.3246,
61.0770

95.0500, 100.0000,
108.9000

■ 59.1894, 43.3295,
50.5472

■ 54.3470, 36.1316,
41.2661

■ 50.4826, 30.6073,
33.1820

■ 47.5216, 26.6172,
26.2392

■ 45.3775, 23.9989,
20.3763

■ 43.9446, 22.5523,
15.5233

■ 43.4475, 22.1430,
13.5547

Harmonies

Analogous

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



78.5589, 76.1413, 97.2218



80.2197, 76.1413, 86.0700



79.7173, 76.1413, 75.0191

Triad

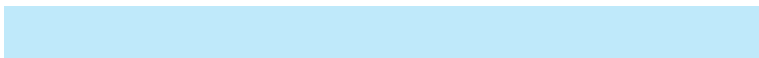
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2197, 76.1413, 86.0700



69.5614, 76.1413, 64.1598



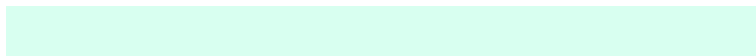
67.7365, 76.1413, 101.3697

Complementary

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



80.2197, 76.1413, 86.0700



79.8096, 92.4114, 96.0725

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.



65.4887, 76.1413, 91.3249



80.2197, 76.1413, 86.0700



66.5151, 76.1413, 70.0674

Square

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



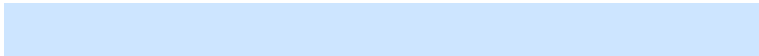
80.2197, 76.1413, 86.0700



73.4669, 76.1413, 63.0317



65.0499, 76.1413, 79.8184



71.2841, 76.1413, 106.5696

Rectangle

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



80.2197, 76.1413, 86.0700



78.2310, 76.1413, 69.1234



65.0499, 76.1413, 79.8184



66.8093, 76.1413, 98.4063

Sweetspot

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



80.2214, 76.1445, 86.0716



89.8787, 91.6380, 101.0704



78.3401, 74.7557, 104.9081



19.0876, 19.3723, 21.4038



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

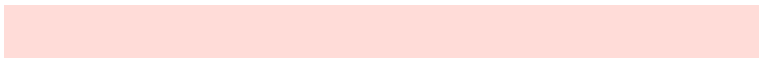
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2214, 76.1445, 86.0716



77.8958, 72.4423, 82.3703



79.2039, 77.3550, 75.7264



18.2985, 18.1027, 20.1889



22.7696, 11.5971, 7.4371



2.2684, 1.1497, 0.9949

Inverse Universe

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



80.2214, 76.1445, 86.0716



77.8958, 72.4423, 82.3703



80.8993, 90.8771, 107.8849



18.2985, 18.1027, 20.1889



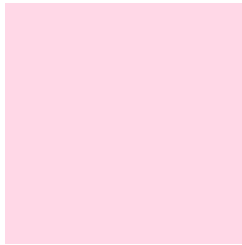
22.7696, 11.5971, 7.4371



2.2684, 1.1497, 0.9949

Previews

White Background



This preview shows how the XYZ color 80.2197, 76.1413, 86.0700 looks on a white background.

Color Contrast Check

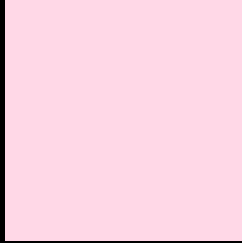
Large Text (above 18pt) WCAG AA × Fail

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 80.2197, 76.1413, 86.0700 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 80.2197, 76.1413, 86.0700

Background



This preview shows how black text looks on a background with the XYZ color 80.2197, 76.1413, 86.0700.



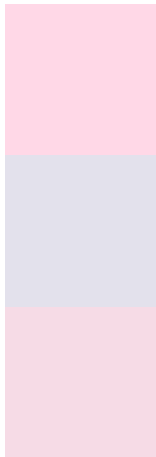
This preview shows how white text looks on a background with the XYZ color 80.2197, 76.1413,

86.0700.

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

80.2197, 76.1413, 86.0700

Protanopia

73.7441, 76.2374, 90.1854

Deuteranopia

77.6205, 75.9690, 85.4354



Tritanopia

80.5038, 76.2549, 87.5665

Trichromacy



Original Color

80.2197, 76.1413, 86.0700

Protanomaly

75.8976, 76.1876, 88.5473

Deuteranomaly

78.4213, 75.9957, 85.3983

Tritanomaly

80.3614, 76.1979, 86.8161

Monochromacy



Original Color

80.2197, 76.1413, 86.0700

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

76.1985, 77.2016, 85.7482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2197, 76.1413, 86.0700 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, 216, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 231)  
}
```

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, 216, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 231) }
```

Border

The CSS property to change the border of an element to XYZ 80.2197, 76.1413, 86.0700 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, 216, 231) }
```


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

```
.border{ border-color:rgb(255, 216, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2197, 76.1413, 86.0700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 231) }
```

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

```
.background{ background-color: rgb(255,  
216, 231) }
```

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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