

Converting Colors

XYZ(83.6366, 79.9511, 96.5321)

Have a look what the booklet for
XYZ(83.6366, 79.9511, 96.5321)
contains.

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Color

**XYZ(83.6904, 80.0342,
96.6251)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEF4
RGB	255, 222, 244
RGB Percent	100%, 87%, 96%
CMY	0.0000, 0.1294, 0.0431
CMYK	0.00, 0.13, 0.04, 0.00
HSL	320°, 100%, 94%
HSV	320°, 13%, 100%
XYZ	83.6904, 80.0342, 96.6251
YIQ	234.3750, 12.6060, 13.8380

Conversions

Conversions Part 2

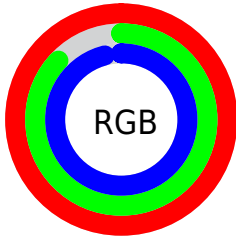
Format	Color
R _Y B	255, 222, 244
Decimal	16768756
CIE Lab	91.70, 15.01, -6.50
CIE LCh	92, 16.359, 336.573
Yxy	80.0342, 0.3215, 0.3074
Android (android.graphics.Color)	4294958836 (0xFFFFDEF4)
YUV	234.3750, 4.7451, 18.0881
Hunter-Lab	89.4618, 10.4262, -1.4141

Details

The XYZ color **83.6904, 80.0342, 96.6251** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.5946, 92.9340, 90.7844**, and the grayscale version is **78.4509, 82.5365, 89.8822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1845, 43.2740, 53.4955** is the 20% darker color. If you saturate the color by 10%, you get **76.1621, 66.9956, 87.8946**, and if you desaturate by 10%, it is **92.3060, 95.1515, 106.0140**.

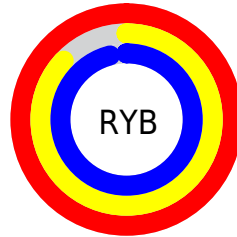
Distribution



Red (100%)

Green (87%)

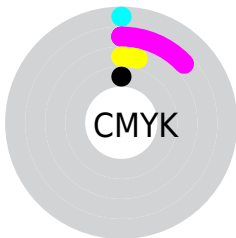
Blue (96%)



Red (100%)

Yellow (87%)

Blue (96%)

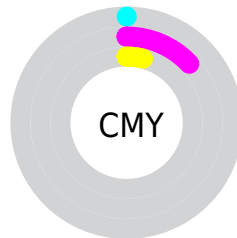


Cyan (0%)

Magenta (13%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6904, 80.0342, 96.6251 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 83.6904, 80.0342, 96.6251 by changing the saturation by 10% instead.

 83.6904, 80.0342,
96.6251

 83.6904, 80.0342,
96.6251


495.8338,
495.0481, 570.4713

 63.0787, 59.7465,
72.8839

137.4655,
133.4138, 158.5227

 46.1638, 43.2143,
53.3898


171.3596,
167.2745, 197.5162

 32.5802, 30.0533,
37.7242


210.4120,
206.4283, 242.4309

 21.9628, 19.8791,
25.4685

254.9878,
251.2597, 293.6853

 13.9460, 12.3072,
16.2043

305.4526,
302.1529, 351.6980

 8.1646, 6.9532,
9.5129

362.1716,

 4.2531, 3.4329,

359.4925, 416.8876

4.9759

425.5102,
423.6627, 489.6725

■ 1.8463, 1.3617,
2.1746

■ 0.5453, 0.1882,
0.6597

■ 83.6904, 80.0342,
96.6251

■ 83.6904, 80.0342,
96.6251

■ 76.1621, 66.9956,
87.8946

■ 92.3060, 95.1515,
106.0140

■ 69.6692, 55.9341,
79.7978

95.0500, 100.0000,
108.9000

■ 64.1633, 46.7539,
72.3160

■ 59.5900, 39.3475,
65.4267

■ 55.8893, 33.5963,
59.1058

■ 52.9940, 29.3672,
53.3267

■ 50.8265, 26.5064,
48.0592

■ 49.2927, 24.8273,
43.2674

■ 48.4953, 24.1621,
40.1359

Harmonies

Analogous

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



80.9633, 80.0342, 106.9800



83.6904, 80.0342, 96.6251



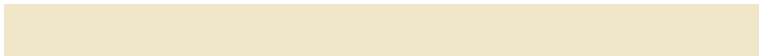
84.3422, 80.0342, 84.5337

Triad

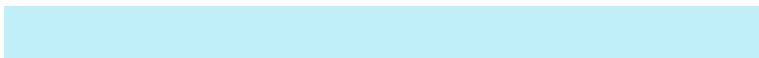
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6904, 80.0342, 96.6251



75.1532, 80.0342, 66.2073



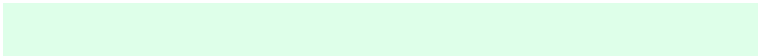
69.7926, 80.0342, 101.6001

Complementary

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



83.6904, 80.0342, 96.6251



80.5946, 92.9340, 90.7844

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.



68.3573, 80.0342, 89.8068



83.6904, 80.0342, 96.6251



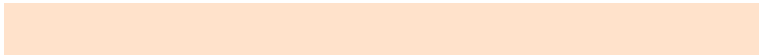
71.3782, 80.0342, 69.9247

Square

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



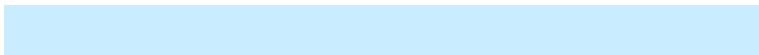
83.6904, 80.0342, 96.6251



79.3125, 80.0342, 67.6727



68.9270, 80.0342, 78.3036



72.9173, 80.0342, 110.0313

Rectangle

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



83.6904, 80.0342, 96.6251



83.4917, 80.0342, 77.2413



68.9270, 80.0342, 78.3036



69.1019, 80.0342, 97.8580

Sweetspot

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



83.6922, 80.0374, 96.6268



91.3393, 93.4468, 104.9863



77.7784, 76.7900, 105.3303



19.4053, 19.7459, 22.3164



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.



83.6922, 80.0374, 96.6268



81.2741, 75.8292, 93.8850



81.2978, 79.0797, 84.0180



18.5201, 18.1914, 21.3561



25.4120, 12.6541, 21.3520



2.5250, 1.2524, 2.3462

Inverse Universe

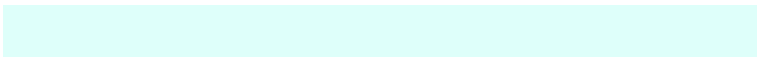
The Inverse Universe completely reimagines the original color for something new.



83.6922, 80.0374, 96.6268



81.2741, 75.8292, 93.8850



83.0632, 93.9214, 103.7835



18.5201, 18.1914, 21.3561



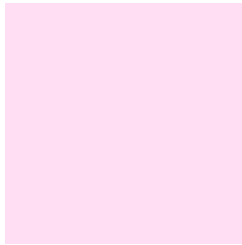
25.4120, 12.6541, 21.3520



2.5250, 1.2524, 2.3462

Previews

White Background



This preview shows how the XYZ color 83.6904, 80.0342, 96.6251 looks on a white background.

Color Contrast Check

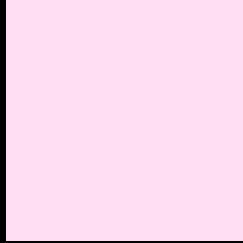
Large Text (above 18pt) WCAG AA × Fail

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 83.6904, 80.0342, 96.6251 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 83.6904, 80.0342, 96.6251

Background



This preview shows how black text looks on a background with the XYZ color 83.6904, 80.0342, 96.6251.



This preview shows how white text looks on a background with the XYZ color 83.6904, 80.0342,

96.6251.

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

83.6904, 80.0342, 96.6251

Protanopia

78.0288, 80.2562, 101.0010

Deuteranopia

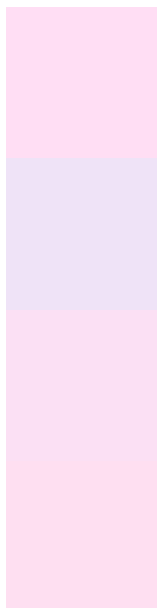
81.9657, 80.3385, 96.7748



Tritanopia

82.9889, 80.1375, 93.5322

Trichromacy



Original Color

83.6904, 80.0342, 96.6251

Protanomaly

79.8542, 80.0043, 99.2293

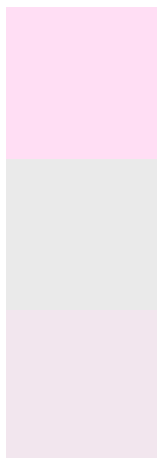
Deuteranomaly

82.7684, 80.3522, 96.7351

Tritanomaly

83.1379, 80.1971, 94.3168

Monochromacy



Original Color

83.6904, 80.0342, 96.6251

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

80.3474, 81.6439, 92.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6904, 80.0342, 96.6251 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, 222, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 244)  
}
```

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, 222, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 244) }
```

Border

The CSS property to change the border of an element to XYZ 83.6904, 80.0342, 96.6251 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, 222, 244) }
```


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

```
.border{ border-color:rgb(255, 222, 244) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6904, 80.0342, 96.6251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 244) }
```

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

```
.background{ background-color: rgb(255,  
222, 244) }
```

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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