

Converting Colors

XYZ(83.6559, 78.9175, 83.0095)

Have a look what the booklet for
XYZ(83.6559, 78.9175, 83.0095)
contains.

XYZ(80.0389, 76.8938, 82.5750)	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(80.0389, 76.8938,
82.5750)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDAE2
RGB	255, 218, 226
RGB Percent	100%, 85%, 89%
CMY	0.0000, 0.1451, 0.1137
CMYK	0.00, 0.15, 0.11, 0.00
HSL	347°, 100%, 93%
HSV	347°, 15%, 100%
XYZ	80.0389, 76.8938, 82.5750
YIQ	229.9750, 19.4840, 10.3320

Conversions

Conversions Part 2

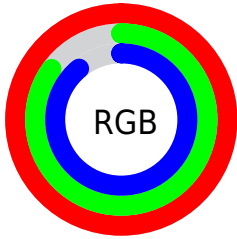
Format	Color
R _Y B	255, 218, 226
Decimal	16767714
CIE Lab	90.27, 14.09, 0.84
CIE LCh	90, 14.115, 3.421
Yxy	76.8938, 0.3342, 0.3210
Android (android.graphics.Color)	4294957794 (0xFFFFDAE2)
YUV	229.9750, -1.9597, 21.9469
Hunter-Lab	87.6891, 9.4713, 5.5502

Details

The XYZ color **80.0389, 76.8938, 82.5750** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.4644, 93.1420, 101.6839**, and the grayscale version is **75.2008, 79.1171, 86.1586**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7366, 41.1404, 44.1638** is the 20% darker color. If you saturate the color by 10%, you get **71.3431, 63.6387, 66.9240**, and if you desaturate by 10%, it is **90.0753, 92.3177, 100.2525**.

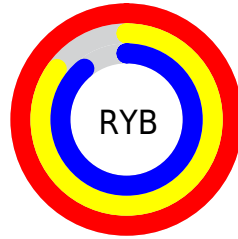
Distribution



Red (100%)

Green (85%)

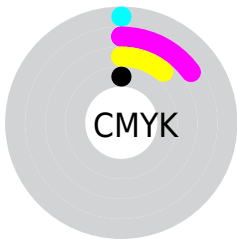
Blue (89%)



Red (100%)

Yellow (85%)

Blue (89%)

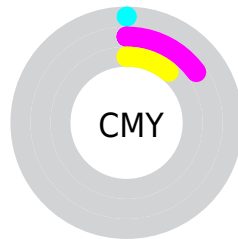


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0389, 76.8938, 82.5750 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 80.0389, 76.8938, 82.5750 by changing the saturation by 10% instead.


 80.0389, 76.8938,
82.5750

 80.0389, 76.8938,
82.5750


483.7985,
484.4019, 523.5029

 60.0589, 57.1657,
61.3010


132.3707,
128.9896, 138.8240

 43.7158, 41.1383,
44.0360


165.4532,
162.1260, 174.6360

 30.6441, 28.4272,
30.3614


203.6339,
200.5007, 216.1312

 20.4785, 18.6479,
19.8587

247.2782,
244.4981, 263.7281

 12.8536, 11.4161,
12.1093

296.7515,
294.5025, 317.8451

 7.4041, 6.3475,
6.6947

352.4190,

 3.7647, 3.0575,

350.8983, 378.9009

3.1964

414.6462,
414.0700, 447.3140

■ 1.5699, 1.1618,
1.1958

■ 0.3727, 0.0302,
0.0000

■ 80.0389, 76.8938,
82.5750

■ 80.0389, 76.8938,
82.5750

■ 71.3431, 63.6387,
66.9240

■ 90.0753, 92.3177,
100.2525

■ 63.9253, 52.4458,
53.2217

95.0500, 100.0000,
108.9000

■ 57.7259, 43.2138,
41.3920

■ 52.6780, 35.8290,
31.3524

■ 48.7086, 30.1658,
23.0137

■ 45.7358, 26.0833,
16.2786

■ 43.6652, 23.4177,
11.0398

■ 42.3832, 21.9687,
7.1750

■ 41.9323, 21.5369,
5.5756

Harmonies

Analogous

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



79.2954, 76.8938, 92.6835



80.0389, 76.8938, 82.5750



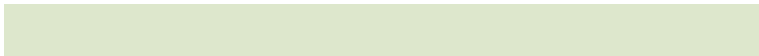
78.8705, 76.8938, 73.5129

Triad

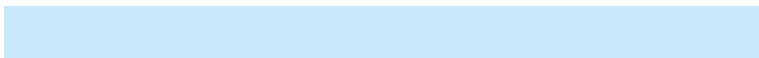
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0389, 76.8938, 82.5750



69.4269, 76.8938, 68.5908



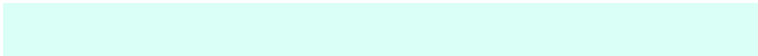
70.1038, 76.8938, 102.2480

Complementary

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



80.0389, 76.8938, 82.5750



81.4644, 93.1420, 101.6839

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.



67.5901, 76.8938, 94.8400



80.0389, 76.8938, 82.5750



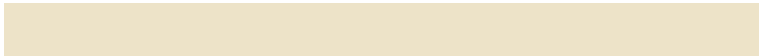
67.2081, 76.8938, 75.3619

Square

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



80.0389, 76.8938, 82.5750



72.6828, 76.8938, 65.8569



66.5465, 76.8938, 84.8842



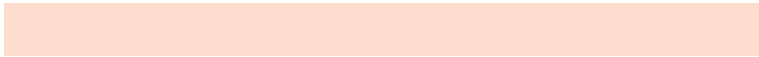
73.4891, 76.8938, 104.5621

Rectangle

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



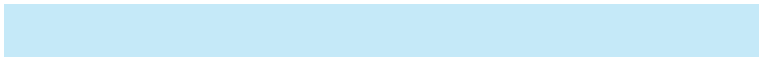
80.0389, 76.8938, 82.5750



77.1858, 76.8938, 69.1277



66.5465, 76.8938, 84.8842



69.1325, 76.8938, 100.2432

Sweetspot

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



80.0406, 76.8970, 82.5766



90.6211, 93.1595, 101.2047



81.4753, 77.1373, 105.2025



19.2237, 19.6733, 21.3603



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

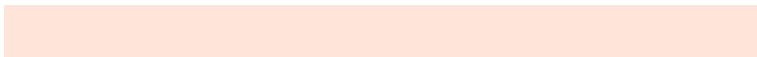
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0406, 76.8970, 82.5766



77.7498, 73.3936, 78.4886



81.7734, 82.0778, 77.8665



18.1700, 18.0513, 19.5125



21.9549, 11.2713, 3.1470



2.1759, 1.1127, 0.5077

Inverse Universe

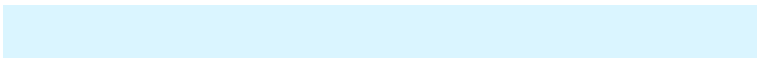
The Inverse Universe completely reimagines the original color for something new.



80.0406, 76.8970, 82.5766



77.7498, 73.3936, 78.4886



79.4721, 87.1401, 107.2388



18.1700, 18.0513, 19.5125



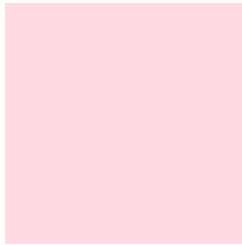
21.9549, 11.2713, 3.1470



2.1759, 1.1127, 0.5077

Previews

White Background



This preview shows how the XYZ color 80.0389, 76.8938, 82.5750 looks on a white background.

Color Contrast Check

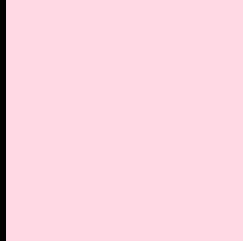
Large Text (above 18pt) WCAG AA × Fail

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 80.0389, 76.8938, 82.5750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

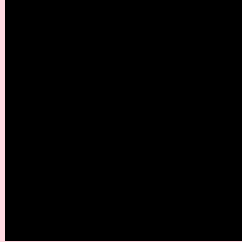
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0389, 76.8938, 82.5750

Background



This preview shows how black text looks on a background with the XYZ color 80.0389, 76.8938, 82.5750.



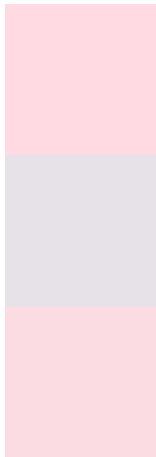
This preview shows how white text looks on a background with the XYZ color 80.0389, 76.8938,

82.5750.

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

80.0389, 76.8938, 82.5750

Protanopia

74.2533, 76.9852, 86.5474

Deuteranopia

78.7450, 77.0014, 82.6639



Tritanopia

80.7608, 76.7689, 87.6521

Trichromacy



Original Color

80.0389, 76.8938, 82.5750

Protanomaly

76.1271, 76.7832, 84.9371

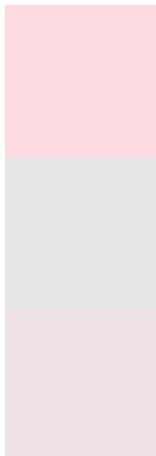
Deuteranomaly

79.2039, 76.8495, 82.6104

Tritanomaly

80.3358, 76.5989, 85.4138

Monochromacy



Original Color

80.0389, 76.8938, 82.5750

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.9358, 78.4006, 85.2066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0389, 76.8938, 82.5750 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, 218, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 226)  
}
```

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, 218, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 226) }
```

Border

The CSS property to change the border of an element to XYZ 80.0389, 76.8938, 82.5750 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, 218, 226) }
```


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

```
.border{ border-color:rgb(255, 218, 226) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0389, 76.8938, 82.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 226) }
```

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

```
.background{ background-color: rgb(255,  
218, 226) }
```

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