

Converting Colors

XYZ(80.3956, 79.7832, 75.9860)

Have a look what the booklet for
XYZ(80.3956, 79.7832, 75.9860)
contains.

XYZ(80.2903, 79.5292, 76.0847)	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(80.2903, 79.5292,
76.0847)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE0D8
RGB	255, 224, 216
RGB Percent	100%, 88%, 85%
CMY	0.0000, 0.1215, 0.1529
CMYK	0.00, 0.12, 0.15, 0.00
HSL	12°, 100%, 92%
HSV	12°, 15%, 100%
XYZ	80.2903, 79.5292, 76.0847
YIQ	232.3570, 21.0440, 4.0840

Conversions

Conversions Part 2

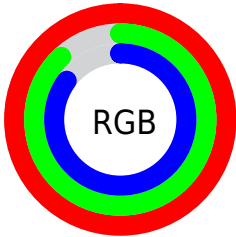
Format	Color
R _Y B	255, 226, 216
Decimal	16769240
CIE Lab	91.47, 9.41, 7.82
CIE LCh	91, 12.235, 39.736
Yxy	79.5292, 0.3404, 0.3371
Android (android.graphics.Color)	4294959320 (0xFFFFE0D8)
YUV	232.3570, -8.0640, 19.8579
Hunter-Lab	89.1791, 4.6447, 11.8411

Details

The XYZ color **80.2903, 79.5292, 76.0847** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.6288, 88.3379, 107.4618**, and the grayscale version is **77.0183, 81.0293, 88.2409**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9097, 42.9549, 39.6950** is the 20% darker color. If you saturate the color by 10%, you get **72.1204, 68.0620, 58.3393**, and if you desaturate by 10%, it is **89.6249, 92.5062, 96.7443**.

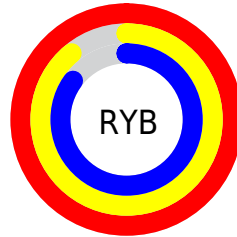
Distribution



Red (100%)

Green (88%)

Blue (85%)



Red (100%)

Yellow (89%)

Blue (85%)

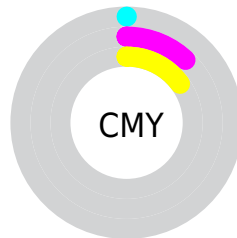


Cyan (0%)

Magenta (12%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2903, 79.5292, 76.0847 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 80.2903, 79.5292, 76.0847 by changing the saturation by 10% instead.


 80.2903, 79.5292,
76.0847

 80.2903, 79.5292,
76.0847


484.6323,
493.3448, 500.9921

 60.2666, 59.3310,
55.9949


132.7222,
132.7036, 129.6078

 43.8838, 42.8796,
39.7949


165.8610,
166.4486, 163.8782

 30.7767, 29.7907,
27.0661


204.1023,
205.4780, 203.7125

 20.5799, 19.6798,
17.3900

247.8113,
250.1762, 249.5293

 12.9279, 12.1625,
10.3480

297.3535,
300.9276, 301.7471

 7.4556, 6.8544,
5.5217

353.0941,

 3.7975, 3.3712,

358.1166, 360.7845

2.4925

415.3986,
422.1275, 427.0600

■ 1.5882, 1.3285,
0.8362

■ 0.3847, 0.1631,
0.0000

■ 80.2903, 79.5292,
76.0847

■ 80.2903, 79.5292,
76.0847

■ 72.1204, 68.0620,
58.3393

■ 89.6249, 92.5062,
96.7443

■ 65.0631, 58.0396,
43.3717

95.0500, 100.0000,
108.9000

■ 59.0711, 49.4072,
31.0419

■ 54.0911, 42.1025,
21.1958

■ 50.0652, 36.0586,
13.6631

■ 46.9290, 31.2025,
8.2521

■ 44.6100, 27.4531,
4.7396

■ 43.0224, 24.7186,
2.8515

■ 42.4832, 23.7464,
2.3444

Harmonies

Analogous

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



81.6484, 79.5292, 83.7253



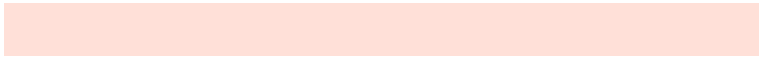
80.2903, 79.5292, 76.0847



77.6837, 79.5292, 71.4781

Triad

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



80.2903, 79.5292, 76.0847



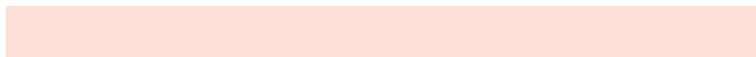
70.1093, 79.5292, 80.7874



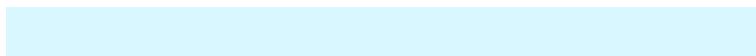
76.6075, 79.5292, 104.6246

Complementary

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



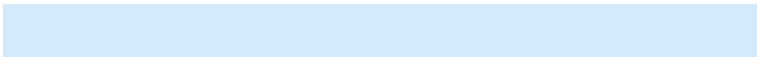
80.2903, 79.5292, 76.0847



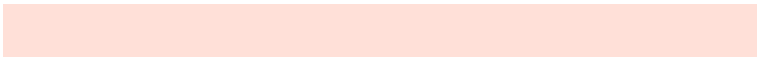
79.6288, 88.3379, 107.4618

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.



73.5345, 79.5292, 103.7031



80.2903, 79.5292, 76.0847



69.8391, 79.5292, 89.5270

Square

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



80.2903, 79.5292, 76.0847



71.8256, 79.5292, 74.0610



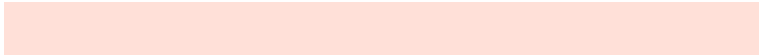
71.0770, 79.5292, 98.0286



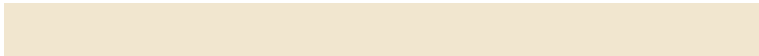
79.4839, 79.5292, 100.4662

Rectangle

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



80.2903, 79.5292, 76.0847



75.6178, 79.5292, 70.5480



71.0770, 79.5292, 98.0286



75.5625, 79.5292, 104.9049

Sweetspot

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



80.2922, 79.5326, 76.0864



89.9168, 92.9102, 97.3957



82.6157, 77.1004, 98.6854



19.0967, 19.6800, 20.5137



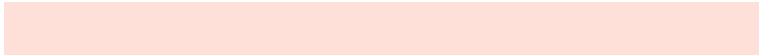
0.0000, 0.0000, 0.0000



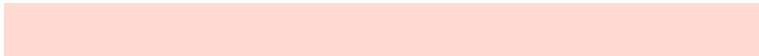
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2922, 79.5326, 76.0864



77.9678, 76.2819, 71.0011



85.7755, 90.4992, 77.9141



18.3113, 18.5908, 18.7676



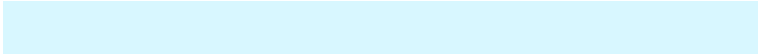
22.2827, 12.5766, 1.2531



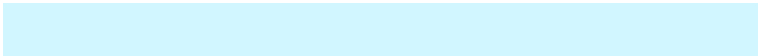
2.2431, 1.3716, 0.1465

Inverse Universe

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



79.6288, 88.3379, 107.4618



77.2006, 86.4455, 107.2245



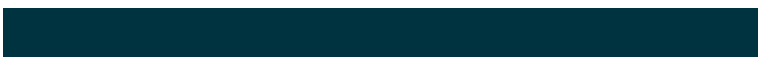
74.0307, 77.1417, 105.5957



18.2197, 19.8109, 23.1136



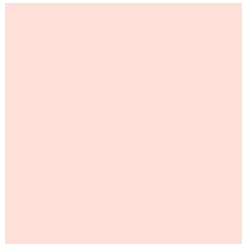
20.6590, 26.2275, 53.4082



2.0876, 2.7058, 5.2255

Previews

White Background



This preview shows how the XYZ color 80.2903, 79.5292, 76.0847 looks on a white background.

Color Contrast Check

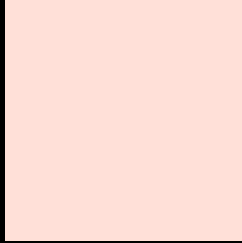
Large Text (above 18pt) WCAG AA × Fail

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 80.2903, 79.5292, 76.0847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

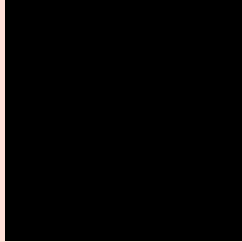
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2903, 79.5292, 76.0847

Background



This preview shows how black text looks on a background with the XYZ color 80.2903, 79.5292, 76.0847.

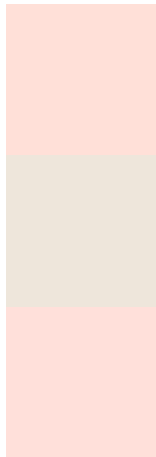


This preview shows how white text looks on a background with the XYZ color 80.2903, 79.5292,

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

80.2903, 79.5292, 76.0847

Protanopia

76.3429, 79.8852, 78.4135

Deuteranopia

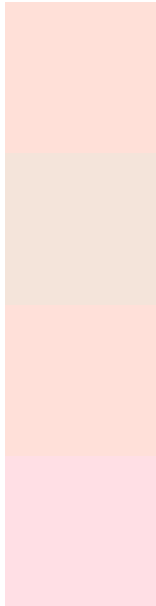
80.5505, 79.6333, 77.4550



Tritanopia

82.6473, 79.6170, 91.1324

Trichromacy



Original Color

80.2903, 79.5292, 76.0847

Protanomaly

77.7065, 79.7819, 77.6335

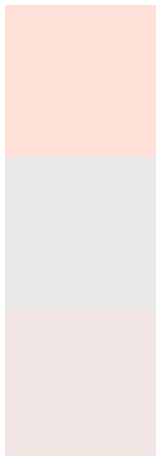
Deuteranomaly

80.4200, 79.5811, 76.7677

Tritanomaly

81.7705, 79.6925, 85.2012

Monochromacy



Original Color

80.2903, 79.5292, 76.0847

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.6820, 80.0549, 83.3094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2903, 79.5292, 76.0847 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, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 216)  
}
```

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, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 216) }
```

Border

The CSS property to change the border of an element to XYZ 80.2903, 79.5292, 76.0847 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, 224, 216) }
```


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

```
.border{ border-color:rgb(255, 224, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2903, 79.5292, 76.0847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 216) }
```

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

```
.background{ background-color: rgb(255,  
224, 216) }
```

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