

Converting Colors

XYZ(89.6087, 85.1918, 77.9713)

Have a look what the booklet for
XYZ(89.6087, 85.1918, 77.9713)
contains.

XYZ(81.0912, 80.7147, 77.6352)	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(81.0912, 80.7147,
77.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2DA
RGB	255, 226, 218
RGB Percent	100%, 89%, 85%
CMY	0.0000, 0.1137, 0.1451
CMYK	0.00, 0.11, 0.15, 0.00
HSL	13°, 100%, 93%
HSV	13°, 15%, 100%
XYZ	81.0912, 80.7147, 77.6352
YIQ	233.7590, 19.8520, 3.6600

Conversions

Conversions Part 2

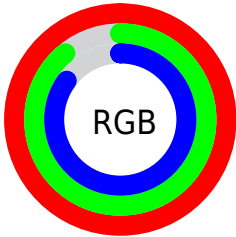
Format	Color
R _Y B	255, 228, 218
Decimal	16769754
CIE Lab	92.00, 8.69, 7.54
CIE LCh	92, 11.502, 40.964
Yxy	80.7147, 0.3387, 0.3371
Android (android.graphics.Color)	4294959834 (0xFFFFE2DA)
YUV	233.7590, -7.7692, 18.6284
Hunter-Lab	89.8414, 3.8925, 11.6543

Details

The XYZ color **81.0912, 80.7147, 77.6352** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.2233, 88.6444, 107.4896**, and the grayscale version is **78.0726, 82.1384, 89.4488**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4625, 43.7759, 40.7565** is the 20% darker color. If you saturate the color by 10%, you get **72.8870, 69.2419, 59.6845**, and if you desaturate by 10%, it is **90.4461, 93.6665, 98.5042**.

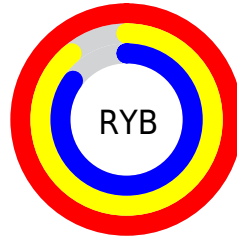
Distribution



Red (100%)

Green (89%)

Blue (85%)



Red (100%)

Yellow (89%)

Blue (85%)

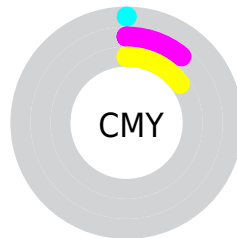


Cyan (0%)

Magenta (11%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.0912, 80.7147, 77.6352 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 81.0912, 80.7147, 77.6352 by changing the saturation by 10% instead.

 81.0912, 80.7147,
77.6352

 81.0912, 80.7147,
77.6352


487.2834,
497.3382, 506.4221

 60.9283, 60.3067,
57.2597


133.8413,
134.3701, 131.8169

 44.4196, 43.6659,
40.8030


167.1592,
168.3862, 166.4602

 31.1998, 30.4079,
27.8467


205.5927,
207.7072, 206.6965

 20.9036, 20.1484,
17.9721

249.5074,
252.7174, 252.9444

 13.1656, 12.5030,
10.7607

299.2684,
303.8012, 305.6223

 7.6205, 7.0872,
5.7940

355.2412,

 3.9028, 3.5167,

361.3430, 365.1489

2.6535

417.7910,
425.7272, 431.9426

■ 1.6473, 1.4071,
0.9199

■ 0.4229, 0.2219,
0.0000

■ 81.0912, 80.7147,
77.6352

■ 81.0912, 80.7147,
77.6352

■ 72.8870, 69.2419,
59.6845

■ 90.4461, 93.6665,
98.5042

■ 65.7826, 59.1848,
44.5167

95.0500, 100.0000,
108.9000

■ 59.7318, 50.4913,
31.9930

■ 54.6828, 43.1016,
21.9608

■ 50.5794, 36.9518,
14.2518

■ 47.3594, 31.9720,
8.6764

■ 44.9524, 28.0854,
5.0151

■ 43.2758, 25.2047,
2.9996

■ 42.6143, 24.0085,
2.3881

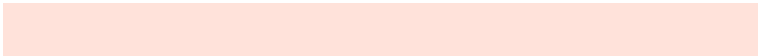
Harmonies

Analogous

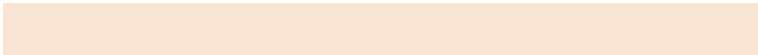
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4357, 80.7147, 84.8237



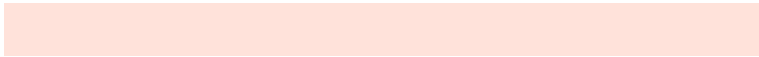
81.0912, 80.7147, 77.6352



78.5865, 80.7147, 73.3719

Triad

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



81.0912, 80.7147, 77.6352



71.4663, 80.7147, 82.6794



77.8034, 80.7147, 104.8609

Complementary

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



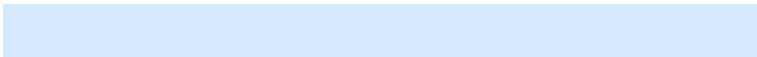
81.0912, 80.7147, 77.6352



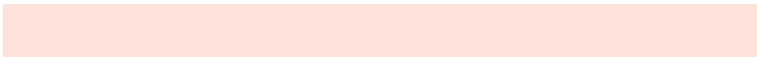
80.2233, 88.6444, 107.4896

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.



74.8772, 80.7147, 104.1948



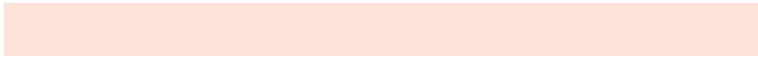
81.0912, 80.7147, 77.6352



71.2689, 80.7147, 91.0182

Square

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



81.0912, 80.7147, 77.6352



73.0493, 80.7147, 76.1524



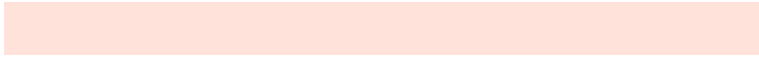
72.5028, 80.7147, 98.9985



80.5053, 80.7147, 100.7639

Rectangle

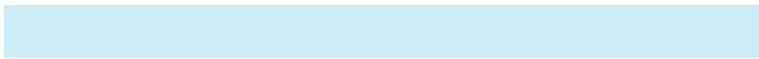
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



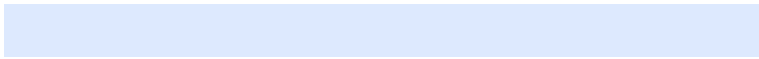
81.0912, 80.7147, 77.6352



76.6213, 80.7147, 72.5872



72.5028, 80.7147, 98.9985



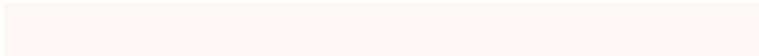
76.8126, 80.7147, 105.1930

Sweetspot

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



81.0932, 80.7182, 77.6369



90.9537, 94.3660, 99.6469



83.1932, 78.1562, 99.1831



19.3075, 19.9773, 20.9678



0.0000, 0.0000, 0.0000



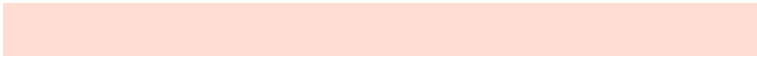
20.3446, 21.4041, 23.3091

Same Dimension

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



81.0932, 80.7182, 77.6369



78.9436, 77.7239, 72.8976



86.2159, 90.9635, 79.3445



18.3279, 18.6240, 18.7731



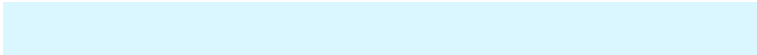
22.3548, 12.7209, 1.2771



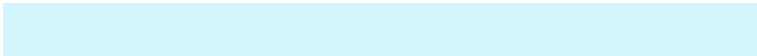
2.2524, 1.3901, 0.1496

Inverse Universe

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



80.2233, 88.6444, 107.4896



77.9412, 86.8464, 107.2628



75.0112, 78.2203, 105.7523



18.2018, 19.7752, 23.1076



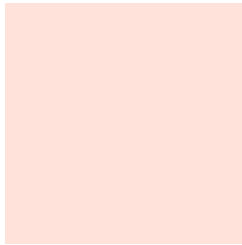
20.3176, 25.5447, 53.2944



2.0571, 2.6449, 5.2154

Previews

White Background



This preview shows how the XYZ color 81.0912, 80.7147, 77.6352 looks on a white background.

Color Contrast Check

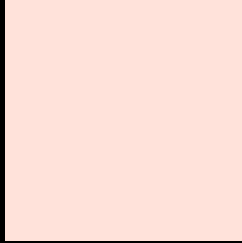
Large Text (above 18pt) WCAG AA × Fail

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 81.0912, 80.7147, 77.6352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

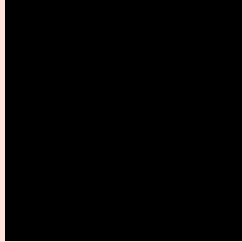
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

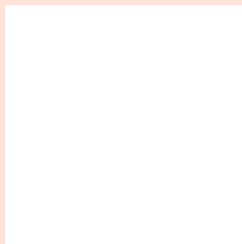
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0912, 80.7147, 77.6352

Background



This preview shows how black text looks on a background with the XYZ color 81.0912, 80.7147, 77.6352.



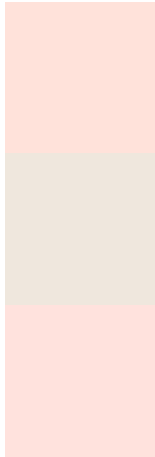
This preview shows how white text looks on a background with the XYZ color 81.0912, 80.7147,

77.6352.

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

81.0912, 80.7147, 77.6352

Protanopia

77.2237, 80.7230, 79.9176

Deuteranopia

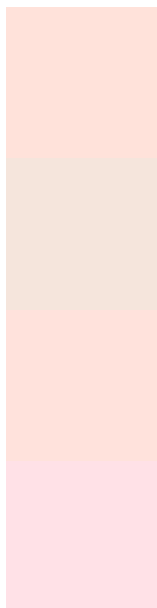
81.4875, 80.8732, 79.7218



Tritanopia

83.4756, 80.8033, 92.8583

Trichromacy



Original Color

81.0912, 80.7147, 77.6352

Protanomaly

78.5938, 80.6184, 79.1287

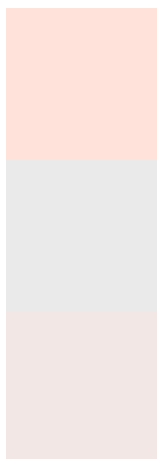
Deuteranomaly

81.3546, 80.8200, 79.0221

Tritanomaly

82.5890, 80.8799, 86.8598

Monochromacy



Original Color

81.0912, 80.7147, 77.6352

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.1975, 81.6305, 84.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0912, 80.7147, 77.6352 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, 226, 218) looks like.

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

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, 226, 218) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 81.0912, 80.7147, 77.6352 is called "border". The border property can be set on classes, ids or directly on the HTML element.

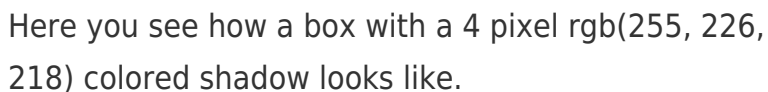
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 226, 218) }
```


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

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

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



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

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

Background

The CSS property to change the background color of an element to XYZ 81.0912, 80.7147, 77.6352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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