

Converting Colors

XYZ(80.1400, 79.0731, 76.5141)

Have a look what the booklet for XYZ(80.1400, 79.0731, 76.5141) contains.

- XYZ(80.1521, 79.0451, 76.6784) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(80.1521, 79.0451,
76.6784)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDFD9
RGB	255, 223, 217
RGB Percent	100%, 87%, 85%
CMY	0.0000, 0.1255, 0.1490
CMYK	0.00, 0.13, 0.15, 0.00
HSL	9°, 100%, 93%
HSV	9°, 15%, 100%
XYZ	80.1521, 79.0451, 76.6784
YIQ	231.8840, 20.9980, 4.9180

Conversions

Conversions Part 2

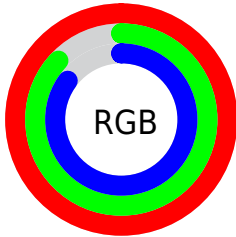
Format	Color
R _Y B	255, 224, 217
Decimal	16768985
CIE _{Lab}	91.25, 10.08, 6.98
CIE _{LCh}	91, 12.263, 34.719
Yxy	79.0451, 0.3398, 0.3351
Android (android.graphics.Color)	4294959065 (0xFFFFDFD9)
YUV	231.8840, -7.3378, 20.2727
Hunter-Lab	88.9073, 5.3343, 11.1003

Details

The XYZ color **80.1521, 79.0451, 76.6784** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.5401, 89.7206, 107.6806**, and the grayscale version is **76.6587, 80.6510, 87.8289**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8129, 42.6197, 40.0996** is the 20% darker color. If you saturate the color by 10%, you get **71.7110, 67.0671, 58.7458**, and if you desaturate by 10%, it is **89.8368, 92.6896, 97.5559**.

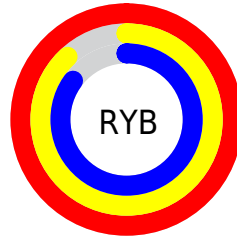
Distribution



Red (100%)

Green (87%)

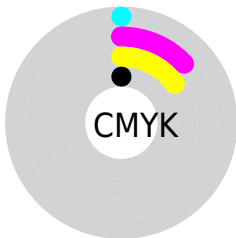
Blue (85%)



Red (100%)

Yellow (88%)

Blue (85%)

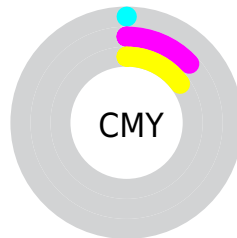


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1521, 79.0451, 76.6784 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 80.1521, 79.0451, 76.6784 by changing the saturation by 10% instead.


 80.1521, 79.0451,
76.6784

 80.1521, 79.0451,
76.6784


484.1740,
491.7089, 503.0753

 60.1524, 58.9329,
56.4790


132.5290,
132.0224, 130.4543

 43.7914, 42.5591,
40.1805


165.6368,
165.6562, 164.8678

 30.7038, 29.5393,
27.3645


203.8448,
204.5660, 204.8564

 20.5241, 19.4892,
17.6123

247.5183,
249.1362, 250.8388

 12.8871, 12.0243,
10.5054

297.0226,
299.7512, 303.2333

 7.4273, 6.7602,
5.6254

352.7231,

 3.7794, 3.3126,

356.7954, 362.4585

2.5536

414.9851,
420.6532, 428.9330

■ 1.5781, 1.2970,
0.8683

■ 0.3781, 0.1389,
0.0000

■ 80.1521, 79.0451,
76.6784

■ 80.1521, 79.0451,
76.6784

■ 71.7110, 67.0671,
58.7458

■ 89.8368, 92.6896,
97.5559

■ 64.4575, 56.6820,
43.6206

95.0500, 100.0000,
108.9000

■ 58.3392, 47.8253,
31.1617

■ 53.2979, 40.4244,
21.2137

■ 49.2698, 34.4008,
13.6052

■ 46.1845, 29.6682,
8.1431

■ 43.9617, 26.1306,
4.6031

■ 42.5071, 23.6779,
2.7107

■ 42.0088, 22.7975,
2.1863

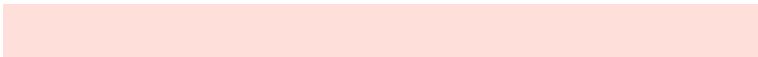
Harmonies

Analogous

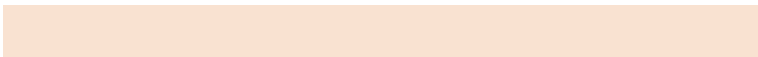
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2473, 79.0451, 84.6658



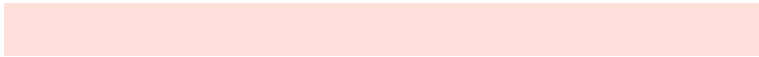
80.1521, 79.0451, 76.6784



77.7123, 79.0451, 71.4941

Triad

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



80.1521, 79.0451, 76.6784



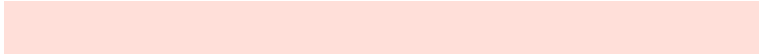
69.8526, 79.0451, 78.9595



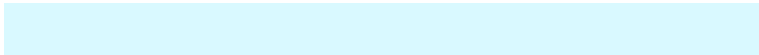
75.6229, 79.0451, 104.2836

Complementary

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



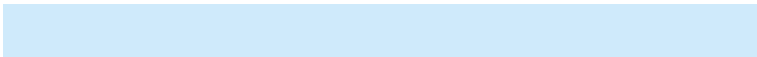
80.1521, 79.0451, 76.6784



80.5401, 89.7206, 107.6806

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.



72.6056, 79.0451, 102.4960



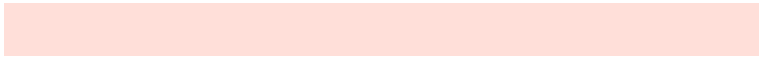
80.1521, 79.0451, 76.6784



69.3278, 79.0451, 87.4829

Square

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



80.1521, 79.0451, 76.6784



71.7761, 79.0451, 72.7460



70.3222, 79.0451, 96.1916



78.5868, 79.0451, 100.9216

Rectangle

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



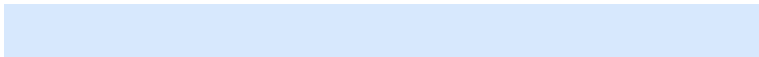
80.1521, 79.0451, 76.6784



75.6817, 79.0451, 70.1181



70.3222, 79.0451, 96.1916



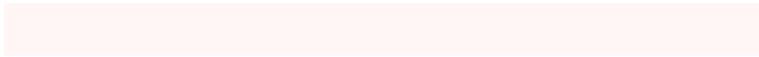
74.5810, 79.0451, 104.2669

Sweetspot

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



80.1539, 79.0484, 76.6801



90.7721, 94.0027, 99.5863



83.1990, 77.7448, 100.4895



19.2617, 19.8857, 20.9525



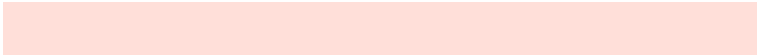
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.1539, 79.0484, 76.6801



77.4074, 75.1612, 70.8143



85.4277, 89.5960, 78.4380



18.2411, 18.4504, 18.7442



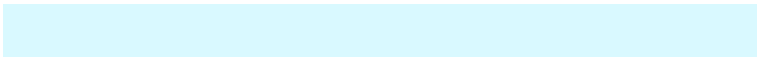
22.0187, 12.0486, 1.1651



2.2075, 1.3003, 0.1346

Inverse Universe

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



80.5401, 89.7206, 107.6806



77.8624, 87.7692, 107.4451



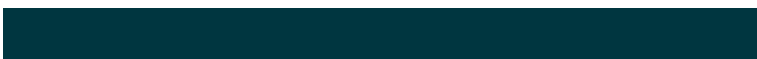
75.0464, 78.7333, 105.8494



18.2960, 19.9637, 23.1390



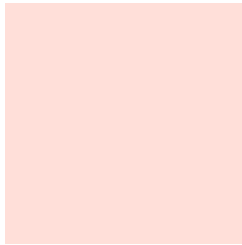
22.1814, 29.2724, 53.9156



2.2225, 2.9756, 5.2705

Previews

White Background



This preview shows how the XYZ color 80.1521, 79.0451, 76.6784 looks on a white background.

Color Contrast Check

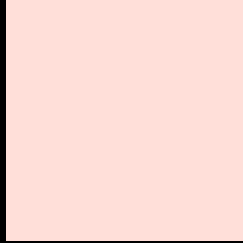
Large Text (above 18pt) WCAG AA × Fail

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 80.1521, 79.0451, 76.6784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

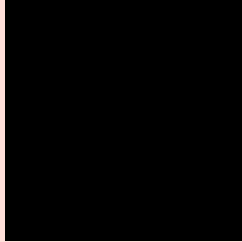
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1521, 79.0451, 76.6784

Background



This preview shows how black text looks on a background with the XYZ color 80.1521, 79.0451, 76.6784.



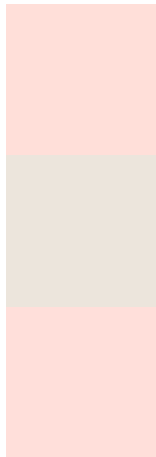
This preview shows how white text looks on a background with the XYZ color 80.1521, 79.0451,

76.6784.

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

80.1521, 79.0451, 76.6784

Protanopia

75.5297, 79.0388, 78.9853

Deuteranopia

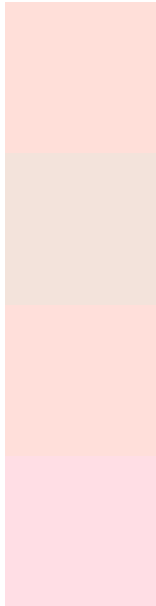
80.2826, 79.0973, 77.3656



Tritanopia

82.2368, 79.0290, 90.2767

Trichromacy



Original Color

80.1521, 79.0451, 76.6784

Protanomaly

77.2174, 79.1073, 78.2173

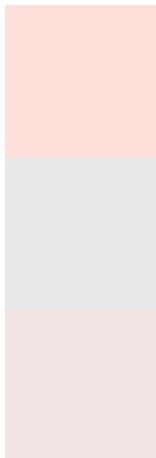
Deuteranomaly

80.2826, 79.0973, 77.3656

Tritanomaly

81.5041, 79.1597, 85.1124

Monochromacy



Original Color

80.1521, 79.0451, 76.6784

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.8196, 80.1099, 84.0343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1521, 79.0451, 76.6784 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, 223, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 217)  
}
```

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, 223, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 217) }
```

Border

The CSS property to change the border of an element to XYZ 80.1521, 79.0451, 76.6784 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, 223, 217) }
```


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

```
.border{ border-color:rgb(255, 223, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1521, 79.0451, 76.6784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 217) }
```

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

```
.background{ background-color: rgb(255,  
223, 217) }
```

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