

Converting Colors

XYZ(116.5790, 100.0000,
73.7820)

Have a look what the booklet for
XYZ(116.5790, 100.0000, 73.7820)
contains.

XYZ(80.4920, 81.3503, 71.7814)	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(80.4920, 81.3503,
71.7814)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4D1
RGB	255, 228, 209
RGB Percent	100%, 89%, 82%
CMY	0.0000, 0.1059, 0.1804
CMYK	0.00, 0.11, 0.18, 0.00
HSL	25°, 100%, 91%
HSV	25°, 18%, 100%
XYZ	80.4920, 81.3503, 71.7814
YIQ	233.9070, 22.1910, -0.1850

Conversions

Conversions Part 2

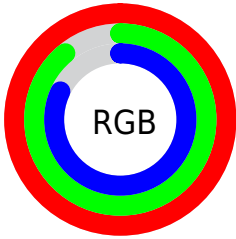
Format	Color
R _Y B	255, 241, 209
Decimal	16770257
CIE Lab	92.29, 6.30, 12.64
CIE LCh	92, 14.118, 63.518
Yxy	81.3503, 0.3445, 0.3482
Android (android.graphics.Color)	4294960337 (0xFFFFE4D1)
YUV	233.9070, -12.2792, 18.4986
Hunter-Lab	90.1944, 1.4582, 15.9500

Details

The XYZ color **80.4920, 81.3503, 71.7814** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.3391, 80.7638, 106.2786**, and the grayscale version is **78.2163, 82.2897, 89.6135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1487, 44.2595, 37.2264** is the 20% darker color. If you saturate the color by 10%, you get **73.6444, 72.3094, 55.1497**, and if you desaturate by 10%, it is **88.2053, 91.3131, 91.1966**.

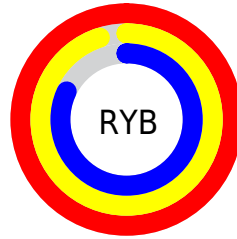
Distribution



Red (100%)

Green (89%)

Blue (82%)



Red (100%)

Yellow (95%)

Blue (82%)

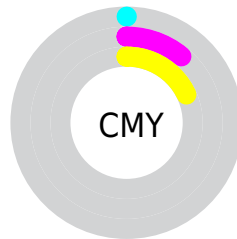


Cyan (0%)

Magenta (11%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4920, 81.3503, 71.7814 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 80.4920, 81.3503, 71.7814 by changing the saturation by 10% instead.

 80.4920, 81.3503,
71.7814

 80.4920, 81.3503,
71.7814


485.3007,
499.4719, 485.7374

 60.4332, 60.8301,
52.4944


133.0041,
135.2625, 123.4505

 44.0187, 44.0881,
37.0143


166.1881,
169.4234, 156.6697

 30.8832, 30.7398,
24.9227


204.4779,
208.8999, 195.3700

 20.6613, 20.4008,
15.8010

248.2388,
254.0766, 239.9700

 12.9877, 12.6867,
9.2306

297.8362,
305.3377, 290.8882

 7.4970, 7.2132,
4.7930

353.6354,

 3.8239, 3.5958,

363.0677, 348.5431

2.0697

416.0018,
427.6509, 413.3534

■ 1.6030, 1.4501,
0.5977

■ 0.3944, 0.2532,
0.0000

■ 80.4920, 81.3503,
71.7814

■ 80.4920, 81.3503,
71.7814

■ 73.6444, 72.3094,
55.1497

■ 88.2053, 91.3131,
91.1966

■ 67.6235, 64.1523,
41.1670

95.0500, 100.0000,
108.9000

■ 62.3961, 56.8534,
29.6954

■ 57.9240, 50.3818,
20.5821

■ 54.1655, 44.7045,
13.6576

■ 51.0739, 39.7856,
8.7291

■ 48.5955, 35.5857,
5.5696

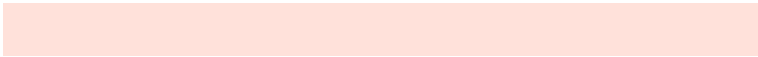
■ 46.6607, 32.0576,
3.8721

■ 46.3279, 31.4358,
3.6260

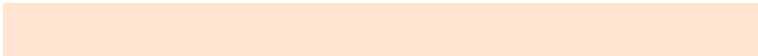
Harmonies

Analogous

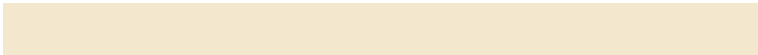
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3191, 81.3503, 77.9380



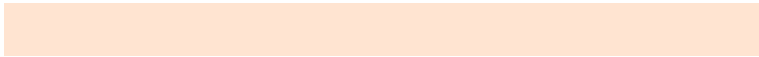
80.4920, 81.3503, 71.7814



76.8913, 81.3503, 69.9967

Triad

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



80.4920, 81.3503, 71.7814



70.5275, 81.3503, 89.8153



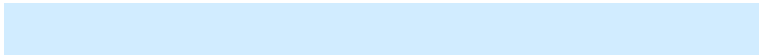
81.2603, 81.3503, 106.4071

Complementary

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



80.4920, 81.3503, 71.7814



74.3391, 80.7638, 106.2786

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.



77.7523, 81.3503, 110.1839



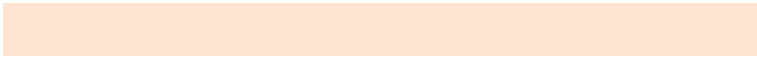
80.4920, 81.3503, 71.7814



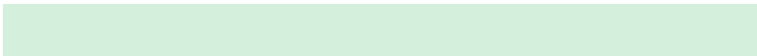
71.6179, 81.3503, 100.1419

Square

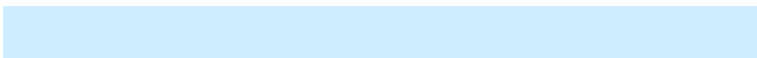
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4920, 81.3503, 71.7814



71.2096, 81.3503, 79.9153



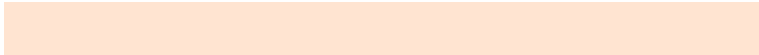
74.2344, 81.3503, 107.8064



83.7724, 81.3503, 97.8422

Rectangle

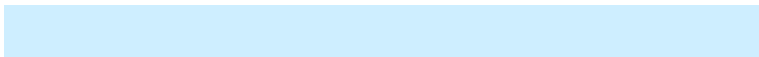
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4920, 81.3503, 71.7814



74.5550, 81.3503, 71.4002



74.2344, 81.3503, 107.8064



80.1546, 81.3503, 108.3080

Sweetspot

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



80.4940, 81.3538, 71.7831



90.7239, 94.5245, 97.6648



79.2687, 72.9529, 89.7186



19.2924, 20.0715, 20.5790



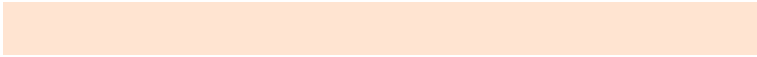
0.0000, 0.0000, 0.0000



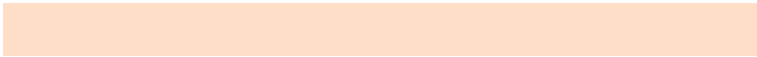
20.3446, 21.4041, 23.3091

Same Dimension

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



80.4940, 81.3538, 71.7831



77.6793, 77.6630, 64.8683



87.0589, 94.4837, 73.9714



18.6258, 19.2198, 18.8724



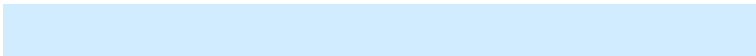
24.3460, 16.7032, 1.9409



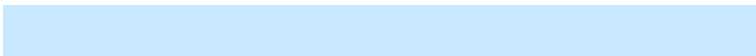
2.4751, 1.8355, 0.2238

Inverse Universe

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



74.3391, 80.7638, 106.2786



70.3831, 76.9614, 105.7532



68.2908, 68.6673, 104.2625



17.8889, 19.1495, 23.0033



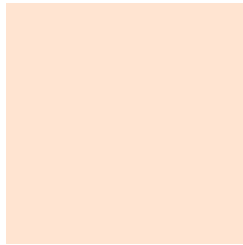
15.2515, 15.4125, 51.6057



1.5927, 1.7162, 5.0606

Previews

White Background



This preview shows how the XYZ color 80.4920, 81.3503, 71.7814 looks on a white background.

Color Contrast Check

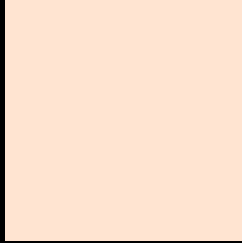
Large Text (above 18pt) WCAG AA × Fail

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 80.4920, 81.3503, 71.7814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

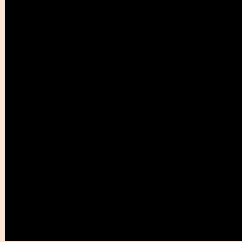
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4920, 81.3503, 71.7814

Background



This preview shows how black text looks on a background with the XYZ color 80.4920, 81.3503, 71.7814.



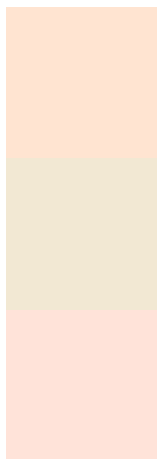
This preview shows how white text looks on a background with the XYZ color 80.4920, 81.3503,

71.7814.

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

80.4920, 81.3503, 71.7814

Protanopia

77.2324, 81.2936, 73.2487

Deuteranopia

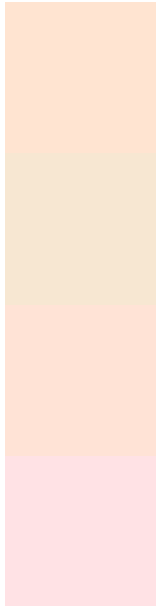
81.2335, 81.2079, 77.0389



Tritanopia

83.8934, 81.4017, 93.7285

Trichromacy



Original Color

80.4920, 81.3503, 71.7814

Protanomaly

78.5665, 81.5791, 72.5782

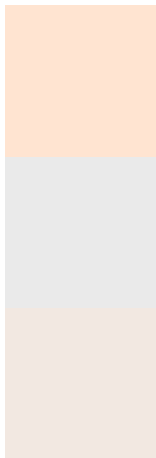
Deuteranomaly

80.8467, 81.0532, 75.0021

Tritanomaly

82.5792, 81.3099, 85.4707

Monochromacy



Original Color

80.4920, 81.3503, 71.7814

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0652, 82.0267, 82.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4920, 81.3503, 71.7814 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, 228, 209) looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 209)  
}
```

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, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 209) }
```

Border

The CSS property to change the border of an element to XYZ 80.4920, 81.3503, 71.7814 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, 228, 209) }
```


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

```
.border{ border-color:rgb(255, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4920, 81.3503, 71.7814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 209) }
```

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

```
.background{ background-color: rgb(255,  
228, 209) }
```

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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