

Converting Colors

XYZ(83.5240, 83.1483, 71.3013)

Have a look what the booklet for
XYZ(83.5240, 83.1483, 71.3013)
contains.

XYZ(80.6445, 81.8527, 71.2232)	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(80.6445, 81.8527,
71.2232)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5D0
RGB	255, 229, 208
RGB Percent	100%, 90%, 82%
CMY	0.0000, 0.1019, 0.1843
CMYK	0.00, 0.10, 0.18, 0.00
HSL	27°, 100%, 91%
HSV	27°, 18%, 100%
XYZ	80.6445, 81.8527, 71.2232
YIQ	234.3800, 22.2370, -1.0190

Conversions

Conversions Part 2

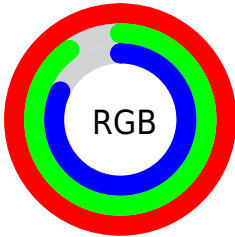
Format	Color
R _Y B	255, 246, 208
Decimal	16770512
CIE Lab	92.51, 5.64, 13.47
CIE LCh	93, 14.603, 67.302
Yxy	81.8527, 0.3450, 0.3502
Android (android.graphics.Color)	4294960592 (0xFFFFE5D0)
YUV	234.3800, -13.0053, 18.0837
Hunter-Lab	90.4725, 0.7828, 16.6555

Details

The XYZ color **80.6445, 81.8527, 71.2232** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.4844, 79.4732, 106.0746**, and the grayscale version is **78.5800, 82.6723, 90.0302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2575, 44.6110, 36.8500** is the 20% darker color. If you saturate the color by 10%, you get **74.0111, 73.2095, 54.7583**, and if you desaturate by 10%, it is **88.1032, 91.3388, 90.4537**.

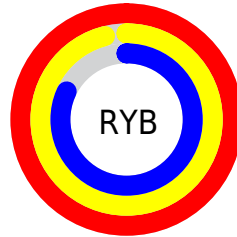
Distribution



Red (100%)

Green (90%)

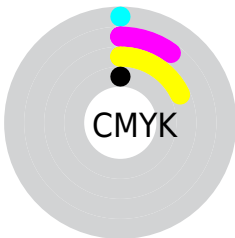
Blue (82%)



Red (100%)

Yellow (96%)

Blue (82%)

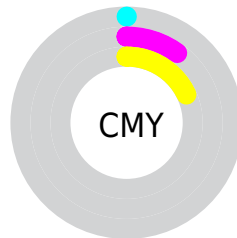


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6445, 81.8527, 71.2232 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 80.6445, 81.8527, 71.2232 by changing the saturation by 10% instead.


 80.6445, 81.8527,
71.2232

 80.6445, 81.8527,
71.2232


485.8057,
501.1548, 483.7380

 60.5591, 61.2441,
52.0414


133.2173,
135.9674, 122.6489

 44.1207, 44.4222,
36.6556


166.4354,
170.2424, 155.7299

 30.9637, 31.0026,
24.6473


204.7618,
209.8415, 194.2811

 20.7229, 20.6008,
15.5978

248.5618,
255.1493, 238.7209

 13.0329, 12.8325,
9.0888

298.2009,
306.5502, 289.4680

 7.5284, 7.3133,
4.7015

354.0443,

 3.8439, 3.6588,

364.4285, 346.9408

2.0176

416.4575,
429.1685, 411.5580

■ 1.6142, 1.4846,
0.5660

■ 0.4016, 0.2779,
0.0000

■ 80.6445, 81.8527,
71.2232

■ 80.6445, 81.8527,
71.2232

■ 74.0111, 73.2095,
54.7583

■ 88.1032, 91.3388,
90.4537

■ 68.1658, 65.3741,
40.9248

95.0500, 100.0000,
108.9000

■ 63.0767, 58.3240,
29.5846

■ 58.7071, 52.0316,
20.5850

■ 55.0170, 46.4674,
13.7564

■ 51.9613, 41.5993,
8.9054

■ 49.4882, 37.3915,
5.8042

■ 47.5279, 33.8007,
4.1341

■ 47.2534, 33.2867,
3.9345

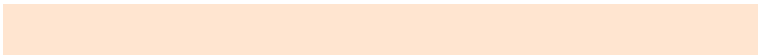
Harmonies

Analogous

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



83.7403, 81.8527, 77.0650



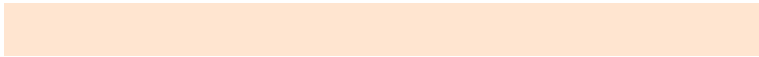
80.6445, 81.8527, 71.2232



76.8760, 81.8527, 69.9843

Triad

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



80.6445, 81.8527, 71.2232



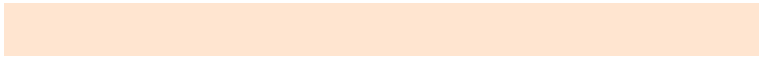
70.7920, 81.8527, 91.8026



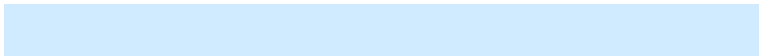
82.2988, 81.8527, 106.7769

Complementary

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



80.6445, 81.8527, 71.2232



73.4844, 79.4732, 106.0746

Split Complementary

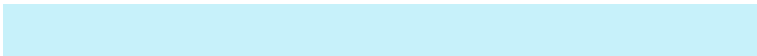
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7284, 81.8527, 111.4685



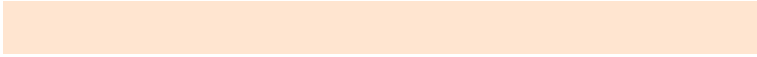
80.6445, 81.8527, 71.2232



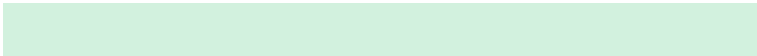
72.1447, 81.8527, 102.3789

Square

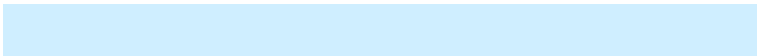
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6445, 81.8527, 71.2232



71.2675, 81.8527, 81.3106



75.0203, 81.8527, 109.7971



84.7169, 81.8527, 97.4219

Rectangle

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



80.6445, 81.8527, 71.2232



74.5037, 81.8527, 71.8351



75.0203, 81.8527, 109.7971



81.1891, 81.8527, 108.9849

Sweetspot

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



80.6464, 81.8562, 71.2249



90.0433, 93.7727, 95.5588



78.7389, 72.3496, 88.1352



19.1603, 19.9302, 20.1563



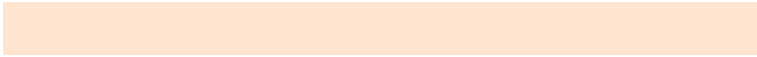
0.0000, 0.0000, 0.0000



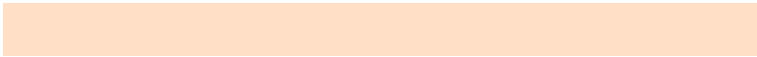
20.3446, 21.4041, 23.3091

Same Dimension

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



80.6464, 81.8562, 71.2249



78.1854, 78.6753, 65.0370



87.3940, 95.3513, 73.4741



18.6777, 19.3236, 18.8897



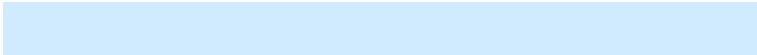
24.8347, 17.6806, 2.1038



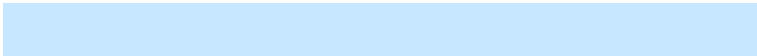
2.5251, 1.9356, 0.2405

Inverse Universe

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



73.4844, 79.4732, 106.0746



69.8534, 75.9018, 105.5766



67.3907, 67.2857, 104.0433



17.8361, 19.0437, 22.9857



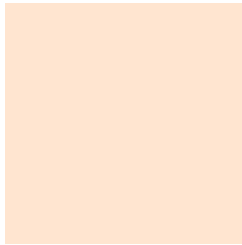
14.5625, 14.0346, 51.3760



1.5270, 1.5847, 5.0387

Previews

White Background



This preview shows how the XYZ color 80.6445, 81.8527, 71.2232 looks on a white background.

Color Contrast Check

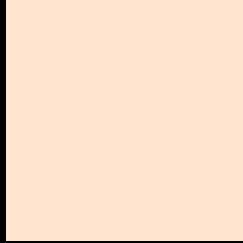
Large Text (above 18pt) WCAG AA × Fail

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 80.6445, 81.8527, 71.2232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

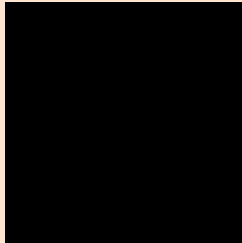
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6445, 81.8527, 71.2232

Background



This preview shows how black text looks on a background with the XYZ color 80.6445, 81.8527, 71.2232.



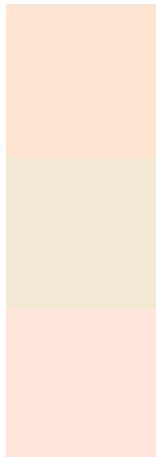
This preview shows how white text looks on a background with the XYZ color 80.6445, 81.8527,

71.2232.

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

80.6445, 81.8527, 71.2232

Protanopia

77.7339, 81.9857, 72.7006

Deuteranopia

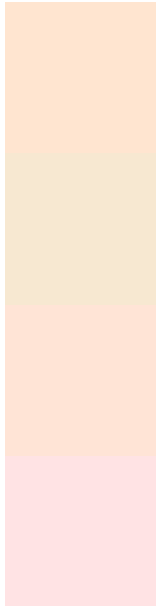
81.6383, 81.8088, 77.8175



Tritanopia

84.1645, 81.9440, 93.8189

Trichromacy



Original Color

80.6445, 81.8527, 71.2232

Protanomaly

78.7230, 82.0908, 72.0176

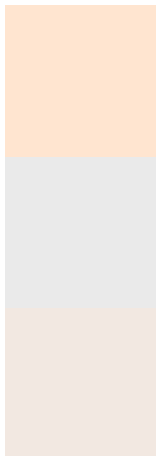
Deuteranomaly

81.1210, 81.6018, 75.0935

Tritanomaly

82.7127, 81.7996, 84.8283

Monochromacy



Original Color

80.6445, 81.8527, 71.2232

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 80.6445, 81.8527, 71.2232 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, 229, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 208)  
}
```

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, 229, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 208) }
```

Border

The CSS property to change the border of an element to XYZ 80.6445, 81.8527, 71.2232 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, 229, 208) }
```


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

```
.border{ border-color:rgb(255, 229, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 208); box-shadow:4px 4px 4px 4px rgb(255, 229, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6445, 81.8527, 71.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 208) }
```

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

```
.background{ background-color: rgb(255,  
229, 208) }
```

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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