

Converting Colors

XYZ(105.3470, 95.2038,
81.1462)

Have a look what the booklet for
XYZ(105.3470, 95.2038, 81.1462)
contains.

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Color

**XYZ(82.8671, 83.6323,
80.1817)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7DD
RGB	255, 231, 221
RGB Percent	100%, 91%, 87%
CMY	0.0000, 0.0941, 0.1333
CMYK	0.00, 0.09, 0.13, 0.00
HSL	18°, 100%, 93%
HSV	18°, 13%, 100%
XYZ	82.8671, 83.6323, 80.1817
YIQ	237.0360, 17.5140, 1.9780

Conversions

Conversions Part 2

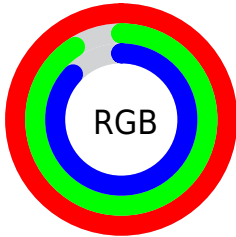
Format	Color
R _Y B	255, 235, 221
Decimal	16771037
CIE Lab	93.29, 6.58, 7.82
CIE LCh	93, 10.223, 49.944
Yxy	83.6323, 0.3359, 0.3390
Android (android.graphics.Color)	4294961117 (0xFFFFE7DD)
YUV	237.0360, -7.9057, 15.7544
Hunter-Lab	91.4507, 1.7072, 12.0315

Details

The XYZ color **82.8671, 83.6323, 80.1817** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5204, 87.8945, 107.3292**, and the grayscale version is **80.5752, 84.7714, 92.3161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5016, 45.4189, 42.4449** is the 20% darker color. If you saturate the color by 10%, you get **74.9439, 72.8163, 62.0327**, and if you desaturate by 10%, it is **91.8281, 95.6975, 101.2247**.

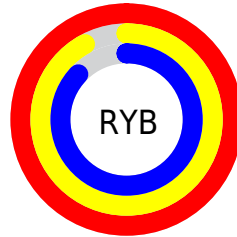
Distribution



Red (100%)

Green (91%)

Blue (87%)



Red (100%)

Yellow (92%)

Blue (87%)



Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.8671, 83.6323, 80.1817 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 82.8671, 83.6323, 80.1817 by changing the saturation by 10% instead.


 82.8671, 83.6323,
80.1817

 82.8671, 83.6323,
80.1817


493.1341,
507.0914, 515.2679

 62.3971, 62.7119,
59.3408


136.3188,
138.4607, 135.4349

 45.6104, 45.6082,
42.4657

170.0312,
173.1375, 170.6843

 32.1418, 31.9367,
29.1379


208.8884,
213.1685, 211.5736

 21.6259, 21.3132,
18.9387

253.2557,
258.9382, 258.5213

 13.6974, 13.3531,
11.4496

303.4986,
310.8310, 311.9461

 7.9908, 7.6722,
6.2521

359.9824,

 4.1408, 3.8859,

369.2312, 372.2664

2.9277

423.0725,
434.5232, 439.9008

■ 1.7821, 1.6099,
1.0579

■ 0.5068, 0.3643,
0.0000

■ 82.8671, 83.6323,
80.1817

■ 82.8671, 83.6323,
80.1817

■ 74.9439, 72.8163,
62.0327

■ 91.8281, 95.6975,
101.2247

■ 68.0140, 63.1986,
46.6449

95.0500, 100.0000,
108.9000

■ 62.0380, 54.7401,
33.8832

■ 56.9716, 47.3954,
23.5988

■ 52.7666, 41.1163,
15.6279

■ 49.3699, 35.8503,
9.7868

■ 46.7218, 31.5405,
5.8633

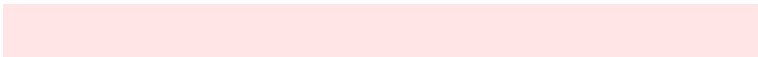
■ 44.7523, 28.1227,
3.5999

■ 43.7586, 26.2972,
2.7695

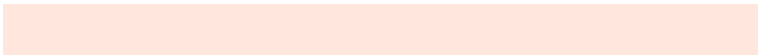
Harmonies

Analogous

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



84.4546, 83.6323, 86.0989



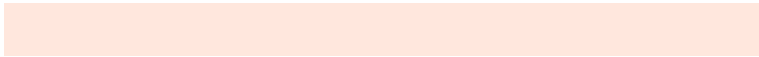
82.8671, 83.6323, 80.1817



80.3971, 83.6323, 77.2337

Triad

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



82.8671, 83.6323, 80.1817



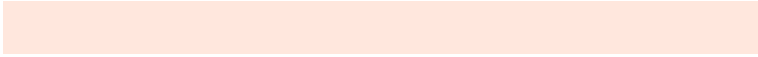
74.5025, 83.6323, 88.4978



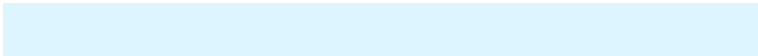
81.2683, 83.6323, 105.7162

Complementary

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



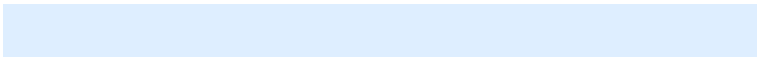
82.8671, 83.6323, 80.1817



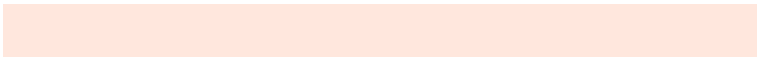
80.5204, 87.8945, 107.3292

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.



78.5898, 83.6323, 106.4482



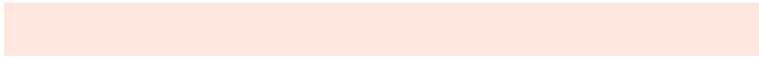
82.8671, 83.6323, 80.1817



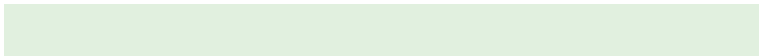
74.7238, 83.6323, 96.2109

Square

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



82.8671, 83.6323, 80.1817



75.5944, 83.6323, 81.8525



76.2059, 83.6323, 102.8832



83.5172, 83.6323, 100.9362

Rectangle

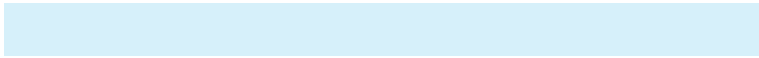
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8671, 83.6323, 80.1817



78.5997, 83.6323, 77.2291



76.2059, 83.6323, 102.8832



80.3870, 83.6323, 106.4538

Sweetspot

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



82.8690, 83.6358, 80.1835



91.1973, 94.8532, 99.7281



83.6345, 79.5888, 97.6345



19.3690, 20.1002, 20.9882



0.0000, 0.0000, 0.0000



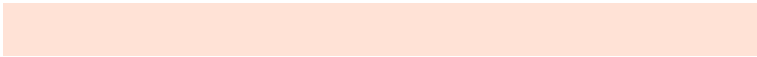
20.3446, 21.4041, 23.3091

Same Dimension

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



82.8690, 83.6358, 80.1835



80.6556, 80.6300, 75.0645



87.7463, 93.3903, 81.8092



18.4449, 18.8580, 18.8121



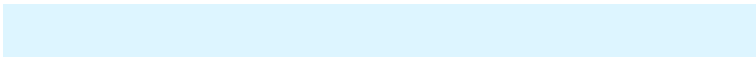
22.9765, 13.9642, 1.4844



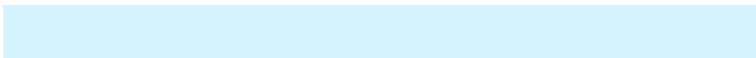
2.3269, 1.5393, 0.1745

Inverse Universe

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



80.5204, 87.8945, 107.3292



77.8888, 85.6439, 107.0335



75.7141, 78.2819, 105.7271



18.0770, 19.5255, 23.0660



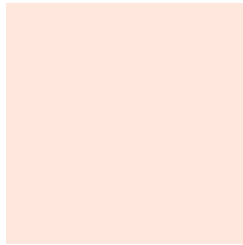
18.0916, 21.0928, 52.5524



1.8563, 2.2434, 5.1484

Previews

White Background



This preview shows how the XYZ color 82.8671, 83.6323, 80.1817 looks on a white background.

Color Contrast Check

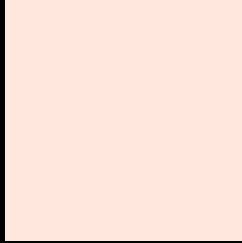
Large Text (above 18pt) WCAG AA × Fail

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 82.8671, 83.6323, 80.1817 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

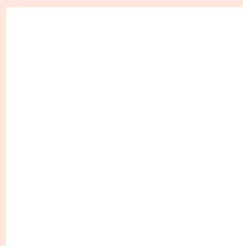
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8671, 83.6323, 80.1817

Background



This preview shows how black text looks on a background with the XYZ color 82.8671, 83.6323, 80.1817.

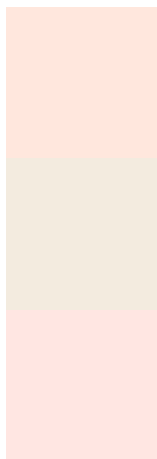


This preview shows how white text looks on a background with the XYZ color 82.8671, 83.6323,

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

82.8671, 83.6323, 80.1817

Protanopia

79.9898, 83.7991, 81.7710

Deuteranopia

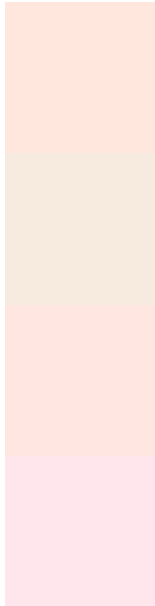
83.2643, 83.3446, 83.6501



Tritanopia

85.5884, 83.8303, 97.2578

Trichromacy



Original Color

82.8671, 83.6323, 80.1817

Protanomaly

80.9654, 83.8937, 81.0330

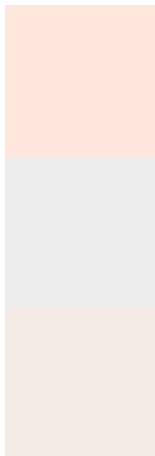
Deuteranomaly

82.9914, 83.2354, 82.2129

Tritanomaly

84.6771, 83.9098, 91.0901

Monochromacy



Original Color

82.8671, 83.6323, 80.1817

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.4404, 84.4193, 87.6035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8671, 83.6323, 80.1817 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, 231, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 221)  
}
```

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, 231, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 221) }
```

Border

The CSS property to change the border of an element to XYZ 82.8671, 83.6323, 80.1817 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, 231, 221) }
```


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

```
.border{ border-color:rgb(255, 231, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8671, 83.6323, 80.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 221) }
```

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

```
.background{ background-color: rgb(255,  
231, 221) }
```

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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