

Converting Colors

XYZ(83.0473, 84.0564, 80.8595)

Have a look what the booklet for
XYZ(83.0473, 84.0564, 80.8595)
contains.

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Color

**XYZ(83.2814, 84.2472,
80.9792)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8DE
RGB	255, 232, 222
RGB Percent	100%, 91%, 87%
CMY	0.0000, 0.0902, 0.1294
CMYK	0.00, 0.09, 0.13, 0.00
HSL	18°, 100%, 94%
HSV	18°, 13%, 100%
XYZ	83.2814, 84.2472, 80.9792
YIQ	237.7370, 16.9180, 1.7660

Conversions

Conversions Part 2

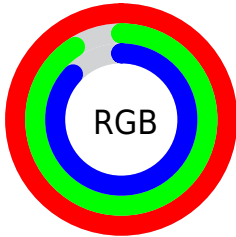
Format	Color
R_{YB}	255, 236, 222
Decimal	16771294
CIE _{Lab}	93.56, 6.22, 7.69
CIE _{LCh}	94, 9.891, 51.019
Yxy	84.2472, 0.3351, 0.3390
Android (android.graphics.Color)	4294961374 (0xFFFFE8DE)
YUV	237.7370, -7.7583, 15.1397
Hunter-Lab	91.7863, 1.3343, 11.9413

Details

The XYZ color **83.2814, 84.2472, 80.9792** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8258, 88.0519, 107.3435**, and the grayscale version is **81.1154, 85.3397, 92.9349**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7891, 45.8465, 42.9951** is the 20% darker color. If you saturate the color by 10%, you get **75.3678, 73.4819, 62.7356**, and if you desaturate by 10%, it is **92.2218, 96.2379, 102.1173**.

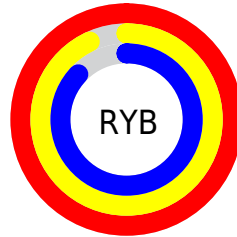
Distribution



Red (100%)

Green (91%)

Blue (87%)



Red (100%)

Yellow (93%)

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 83.2814, 84.2472, 80.9792 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 83.2814, 84.2472, 80.9792 by changing the saturation by 10% instead.


 83.2814, 84.2472,
80.9792

 83.2814, 84.2472,
80.9792


494.4936,
509.1338, 518.0202

 62.7400, 63.2195,
59.9936


136.8960,
139.3209, 136.5654

 45.8888, 46.0188,
42.9882


170.6999,
174.1358, 172.0030

 32.3623, 32.2607,
29.5445


209.6554,
214.3152, 213.0950

 21.7953, 21.5607,
19.2440

254.1278,
260.2435, 260.2600

 13.8223, 13.5345,
11.6681

304.4825,
312.3051, 313.9165

 8.0781, 7.7976,
6.3983

361.0847,

 4.1972, 3.9657,

370.8844, 374.4830

3.0161

424.3000,
436.3658, 442.3780

■ 1.8143, 1.6544,
1.1029

■ 0.5262, 0.3939,
0.0000

■ 83.2814, 84.2472,
80.9792

■ 83.2814, 84.2472,
80.9792

■ 75.3678, 73.4819,
62.7356

■ 92.2218, 96.2379,
102.1173

■ 68.4367, 63.8920,
47.2543

95.0500, 100.0000,
108.9000

■ 62.4496, 55.4399,
34.4009

■ 57.3631, 48.0818,
24.0272

■ 53.1298, 41.7709,
15.9704

■ 49.6978, 36.4568,
10.0480

■ 47.0084, 32.0843,
6.0493

■ 44.9932, 28.5917,
3.7197

■ 43.9158, 26.6115,
2.8219

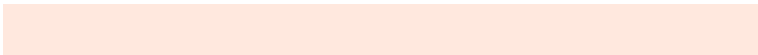
Harmonies

Analogous

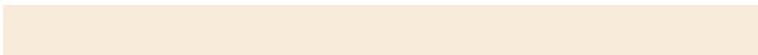
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8635, 84.2472, 86.6589



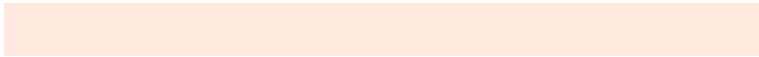
83.2814, 84.2472, 80.9792



80.8624, 84.2472, 78.2213

Triad

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



83.2814, 84.2472, 80.9792



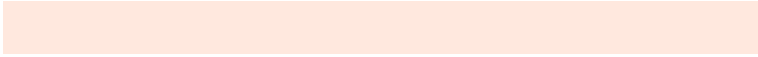
75.2068, 84.2472, 89.4998



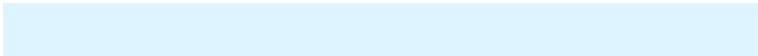
81.8927, 84.2472, 105.8499

Complementary

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



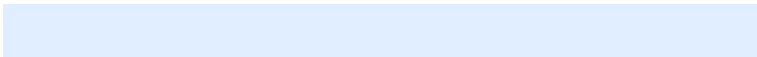
83.2814, 84.2472, 80.9792



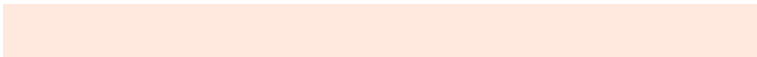
80.8258, 88.0519, 107.3435

Split Complementary

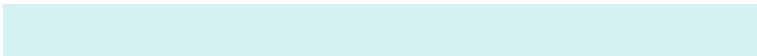
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2916, 84.2472, 106.7127



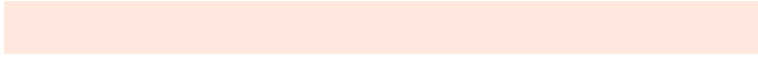
83.2814, 84.2472, 80.9792



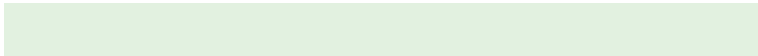
75.4690, 84.2472, 96.9970

Square

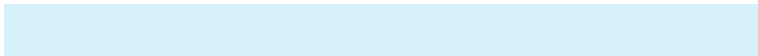
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2814, 84.2472, 80.9792



76.2266, 84.2472, 82.9616



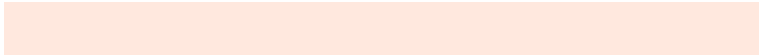
76.9509, 84.2472, 103.3944



84.0497, 84.2472, 101.0973

Rectangle

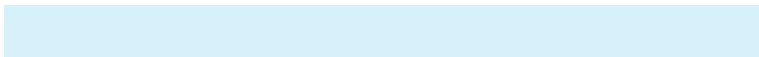
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2814, 84.2472, 80.9792



79.1166, 84.2472, 78.3014



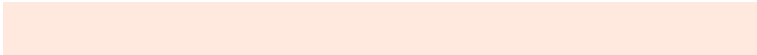
76.9509, 84.2472, 103.3944



81.0400, 84.2472, 106.6143

Sweetspot

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



83.2834, 84.2508, 80.9810



91.2253, 94.9091, 99.7374



83.8585, 80.1022, 97.5081



19.3761, 20.1143, 20.9906



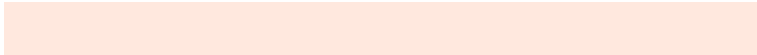
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.2834, 84.2508, 80.9810



80.7548, 80.8285, 75.0975



88.1157, 93.9153, 82.5917



18.4584, 18.8849, 18.8166



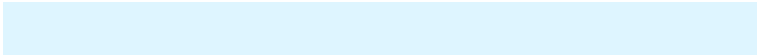
23.0610, 14.1333, 1.5126



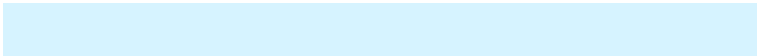
2.3366, 1.5586, 0.1777

Inverse Universe

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



80.8258, 88.0519, 107.3435



77.7800, 85.4262, 106.9972



76.0839, 78.5681, 105.7629



18.0628, 19.4971, 23.0613



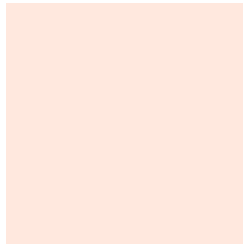
17.8555, 20.6206, 52.4737



1.8348, 2.2003, 5.1413

Previews

White Background



This preview shows how the XYZ color 83.2814, 84.2472, 80.9792 looks on a white background.

Color Contrast Check

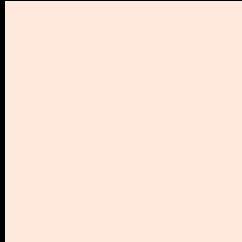
Large Text (above 18pt) WCAG AA × Fail

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 83.2814, 84.2472, 80.9792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

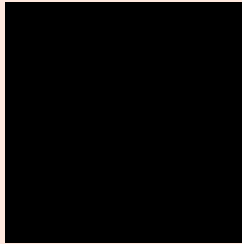
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

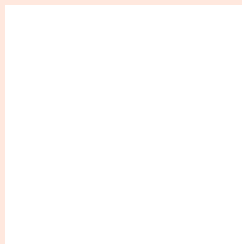
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2814, 84.2472, 80.9792

Background



This preview shows how black text looks on a background with the XYZ color 83.2814, 84.2472, 80.9792.



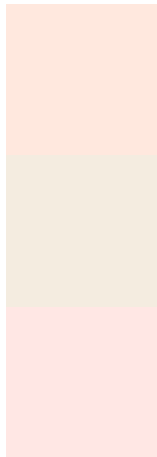
This preview shows how white text looks on a background with the XYZ color 83.2814, 84.2472,

80.9792.

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

83.2814, 84.2472, 80.9792

Protanopia

80.7582, 84.6058, 82.5952

Deuteranopia

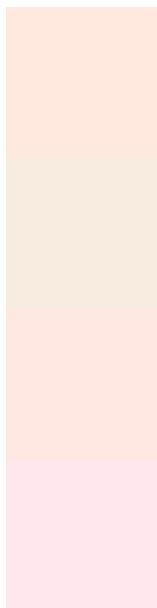
83.8195, 84.0133, 85.1972



Tritanopia

86.0182, 84.4462, 98.1523

Trichromacy



Original Color

83.2814, 84.2472, 80.9792

Protanomaly

81.7390, 84.7008, 81.8528

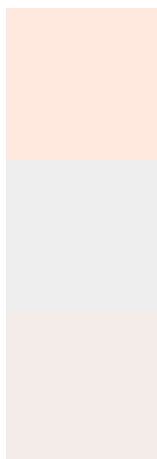
Deuteranomaly

83.5434, 83.9028, 83.7432

Tritanomaly

85.1020, 84.5263, 91.9506

Monochromacy



Original Color

83.2814, 84.2472, 80.9792

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.8692, 85.0502, 88.4453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2814, 84.2472, 80.9792 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, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 222)  
}
```

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, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 222) }
```

Border

The CSS property to change the border of an element to XYZ 83.2814, 84.2472, 80.9792 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, 232, 222) }
```


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

```
.border{ border-color:rgb(255, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2814, 84.2472, 80.9792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 222) }
```

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

```
.background{ background-color: rgb(255,  
232, 222) }
```

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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