

Converting Colors

XYZ(83.6376, 83.8821, 84.4196)

Have a look what the booklet for
XYZ(83.6376, 83.8821, 84.4196)
contains.

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Color

**XYZ(83.6810, 83.9579,
84.4681)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7E3
RGB	255, 231, 227
RGB Percent	100%, 91%, 89%
CMY	0.0000, 0.0941, 0.1098
CMYK	0.00, 0.09, 0.11, 0.00
HSL	9°, 100%, 95%
HSV	9°, 11%, 100%
XYZ	83.6810, 83.9579, 84.4681
YIQ	237.7200, 15.5880, 3.8440

Conversions

Conversions Part 2

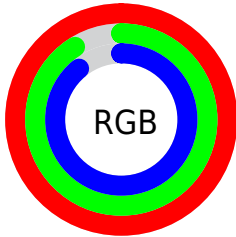
Format	Color
R_{YB}	255, 232, 227
Decimal	16771043
CIE Lab	93.43, 7.53, 4.91
CIE LCh	93, 8.985, 33.098
Yxy	83.9579, 0.3319, 0.3330
Android (android.graphics.Color)	4294961123 (0xFFFE7E3)
YUV	237.7200, -5.2850, 15.1546
Hunter-Lab	91.6285, 2.6676, 9.4833

Details

The XYZ color **83.6810, 83.9579, 84.4681** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **84.2249, 92.5427, 108.0311**, and the grayscale version is **81.0844, 85.3071, 92.8994**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0651, 45.6443, 45.4121** is the 20% darker color. If you saturate the color by 10%, you get **74.6799, 71.1769, 65.3707**, and if you desaturate by 10%, it is **93.9711, 98.4817, 106.5689**.

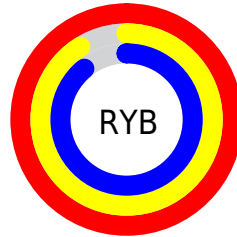
Distribution



Red (100%)

Green (91%)

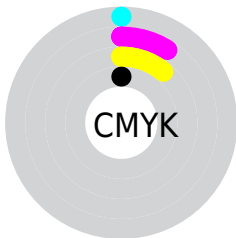
Blue (89%)



Red (100%)

Yellow (91%)

Blue (89%)

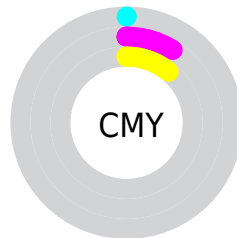


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6810, 83.9579, 84.4681 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 83.6810, 83.9579, 84.4681 by changing the saturation by 10% instead.


 83.6810, 83.9579,
84.4681

 83.6810, 83.9579,
84.4681


495.8030,
508.1734, 529.9650

 63.0709, 62.9807,
62.8544


137.4524,
138.9163, 141.4973

 46.1574, 45.8256,
45.2832


171.3445,
173.6662, 177.7499

 32.5752, 32.1082,
31.3359


210.3946,
213.7759, 219.7192

 21.9589, 21.4442,
20.5942

254.9681,
259.6296, 267.8237

 13.9431, 13.4491,
12.6393

305.4303,
311.6119, 322.4820

 8.1626, 7.7385,
7.0529

362.1466,

 4.2518, 3.9281,

370.1070, 384.1127

3.4162

425.4824,
435.4994, 453.1341

■ 1.8456, 1.6334,
1.3109

■ 0.5449, 0.3800,
0.0707

■ 83.6810, 83.9579,
84.4681

■ 83.6810, 83.9579,
84.4681

■ 74.6799, 71.1769,
65.3707

■ 93.9711, 98.4817,
106.5689

■ 66.9108, 60.0630,
49.1419

■ 95.0500, 100.0000,
108.9000

■ 60.3216, 50.5503,
35.6443

■ 54.8538, 42.5648,
24.7273

■ 50.4441, 36.0263,
16.2256

■ 47.0227, 30.8476,
9.9547

■ 44.5109, 26.9315,
5.7032

■ 42.8178, 24.1681,
3.2189

■ 41.8853, 22.5505,
2.1451

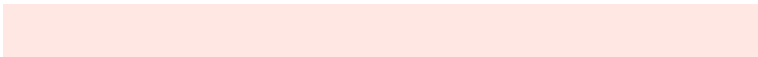
Harmonies

Analogous

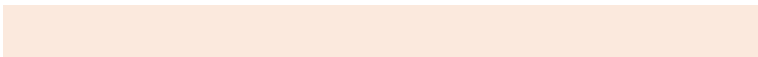
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4401, 83.9579, 90.7120



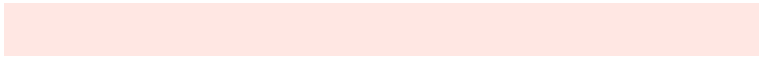
83.6810, 83.9579, 84.4681



81.8807, 83.9579, 80.2569

Triad

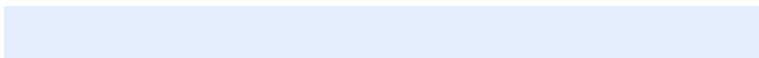
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6810, 83.9579, 84.4681



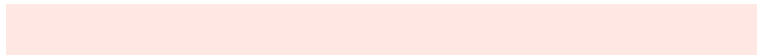
75.8015, 83.9579, 85.6330



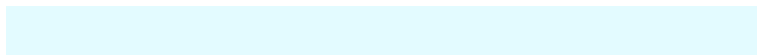
80.0461, 83.9579, 105.0867

Complementary

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



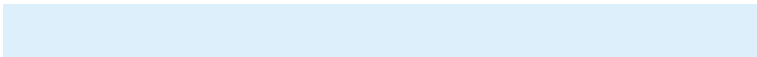
83.6810, 83.9579, 84.4681



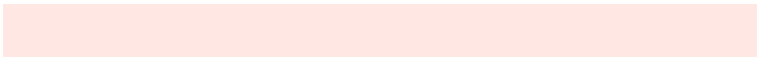
84.2249, 92.5427, 108.0311

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.



77.7538, 83.9579, 103.5641



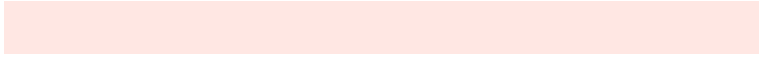
83.6810, 83.9579, 84.4681



75.3320, 83.9579, 92.1234

Square

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



83.6810, 83.9579, 84.4681



77.3351, 83.9579, 80.9057



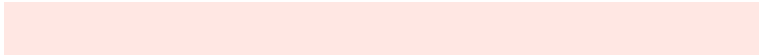
76.0399, 83.9579, 98.7346



82.3156, 83.9579, 102.7991

Rectangle

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



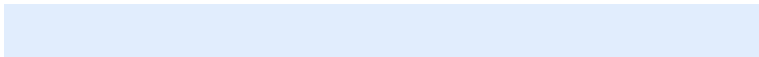
83.6810, 83.9579, 84.4681



80.3488, 83.9579, 79.0538



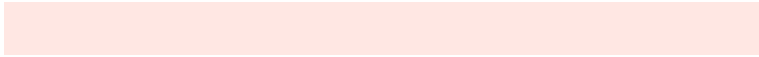
76.0399, 83.9579, 98.7346



79.2527, 83.9579, 105.0038

Sweetspot

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



83.6830, 83.9614, 84.4699



91.7867, 95.4053, 101.8565



86.1642, 83.1810, 103.0017



19.4638, 20.1636, 21.4087



0.0000, 0.0000, 0.0000



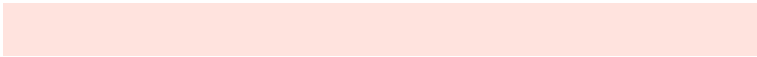
20.3446, 21.4041, 23.3091

Same Dimension

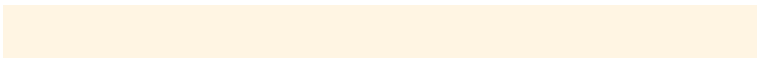
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6830, 83.9614, 84.4699



81.7622, 81.2408, 80.3736



87.6773, 91.9501, 85.8013



18.2189, 18.4060, 18.7368



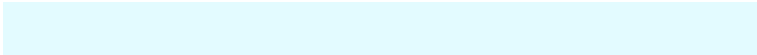
21.9489, 11.9090, 1.1418



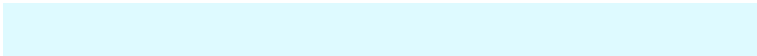
2.1971, 1.2796, 0.1312

Inverse Universe

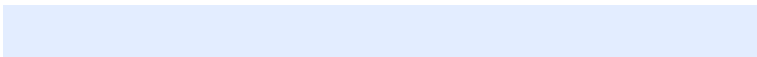
The Inverse Universe completely reimagines the original color for something new.



84.2249, 92.5427, 108.0311



82.3943, 91.2580, 107.8797



80.0908, 84.2747, 106.6531



18.3204, 20.0124, 23.1471



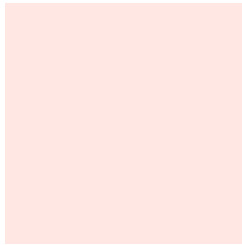
22.6884, 30.2863, 54.0846



2.2671, 3.0649, 5.2854

Previews

White Background



This preview shows how the XYZ color 83.6810, 83.9579, 84.4681 looks on a white background.

Color Contrast Check

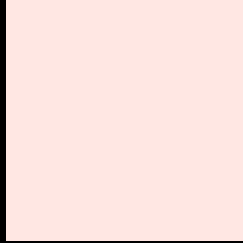
Large Text (above 18pt) WCAG AA × Fail

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 83.6810, 83.9579, 84.4681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

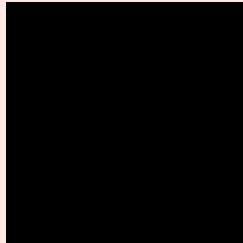
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

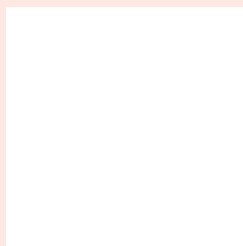
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6810, 83.9579, 84.4681

Background



This preview shows how black text looks on a background with the XYZ color 83.6810, 83.9579, 84.4681.



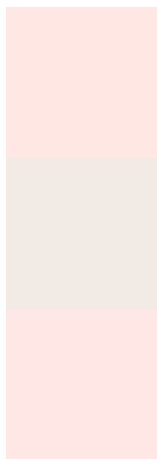
This preview shows how white text looks on a background with the XYZ color 83.6810, 83.9579,

84.4681.

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

83.6810, 83.9579, 84.4681

Protanopia

80.4691, 83.9510, 86.0917

Deuteranopia

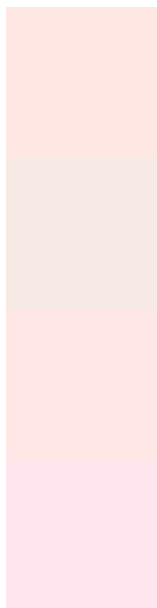
84.0988, 84.1250, 86.6682



Tritanopia

85.7407, 83.8912, 98.0598

Trichromacy



Original Color

83.6810, 83.9579, 84.4681

Protanomaly

81.7842, 84.2212, 85.3446

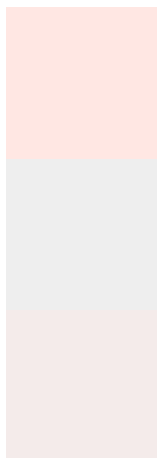
Deuteranomaly

83.9588, 84.0690, 85.9306

Tritanomaly

84.9694, 84.0267, 92.6293

Monochromacy



Original Color

83.6810, 83.9579, 84.4681

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.8678, 84.5903, 89.8546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6810, 83.9579, 84.4681 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, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 227) }
```

Border

The CSS property to change the border of an element to XYZ 83.6810, 83.9579, 84.4681 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, 227) }
```


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

```
.border{ border-color:rgb(255, 231, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6810, 83.9579, 84.4681 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
231, 227) }
```

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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