

Converting Colors

XYZ(83.6138, 84.2627, 83.0924)

Have a look what the booklet for
XYZ(83.6138, 84.2627, 83.0924)
contains.

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Color

**XYZ(83.6872, 84.4095,
83.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8E1
RGB	255, 232, 225
RGB Percent	100%, 91%, 88%
CMY	0.0000, 0.0902, 0.1176
CMYK	0.00, 0.09, 0.12, 0.00
HSL	14°, 100%, 94%
HSV	14°, 12%, 100%
XYZ	83.6872, 84.4095, 83.1160
YIQ	238.0790, 15.9550, 2.6990

Conversions

Conversions Part 2

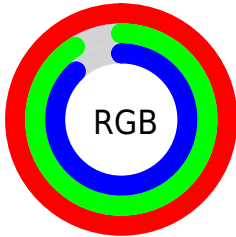
Format	Color
R _Y B	255, 234, 225
Decimal	16771297
CIE Lab	93.63, 6.69, 6.23
CIE LCh	94, 9.145, 42.940
Yxy	84.4095, 0.3331, 0.3360
Android (android.graphics.Color)	4294961377 (0xFFFFE8E1)
YUV	238.0790, -6.4479, 14.8397
Hunter-Lab	91.8746, 1.8123, 10.6745

Details

The XYZ color **83.6872, 84.4095, 83.1160** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6678, 90.3598, 107.6919**, and the grayscale version is **81.3707, 85.6083, 93.2274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0697, 45.9587, 44.4730** is the 20% darker color. If you saturate the color by 10%, you get **75.2659, 72.7244, 64.4090**, and if you desaturate by 10%, it is **93.2440, 97.5334, 104.7668**.

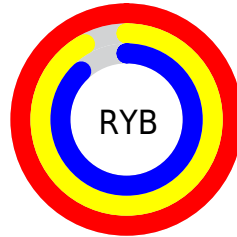
Distribution



Red (100%)

Green (91%)

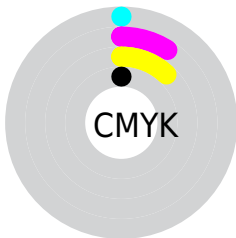
Blue (88%)



Red (100%)

Yellow (92%)

Blue (88%)

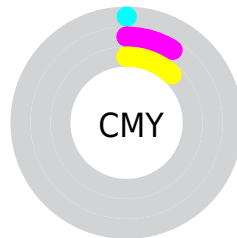


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6872, 84.4095, 83.1160 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 83.6872, 84.4095, 83.1160 by changing the saturation by 10% instead.


 83.6872, 84.4095,
83.1160

 83.6872, 84.4095,
83.1160


495.8233,
509.6721, 525.3542

 63.0761, 63.3536,
61.7447


137.4611,
139.5479, 139.5886

 46.1616, 46.1273,
44.3920


171.3545,
174.3991, 175.5270

 32.5785, 32.3463,
30.6393


210.4060,
214.6176, 217.1581

 21.9615, 21.6261,
20.0682

254.9811,
260.5876, 264.9005

 13.9450, 13.5825,
12.2601

305.4450,
312.6937, 319.1728

 8.1639, 7.8308,
6.7964

362.1631,

 4.2527, 3.9869,

371.3203, 380.3935

3.2586

425.5007,
436.8516, 448.9811

■ 1.8461, 1.6662,
1.2281

■ 0.5452, 0.4016,
0.0018

■ 83.6872, 84.4095,
83.1160

■ 83.6872, 84.4095,
83.1160

■ 75.2659, 72.7244,
64.4090

■ 93.2440, 97.5334,
104.7668

■ 67.9312, 62.4183,
48.5128

95.0500, 100.0000,
108.9000

■ 61.6395, 53.4429,
35.2923

■ 56.3417, 45.7430,
24.5992

■ 51.9846, 39.2594,
16.2702

■ 48.5099, 33.9282,
10.1232

■ 45.8521, 29.6792,
5.9489

■ 43.9351, 26.4336,
3.4961

■ 42.8320, 24.4440,
2.4607

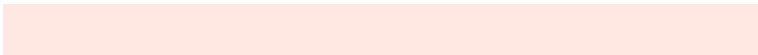
Harmonies

Analogous

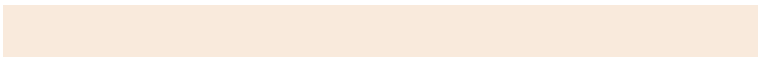
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8546, 84.4095, 88.9525



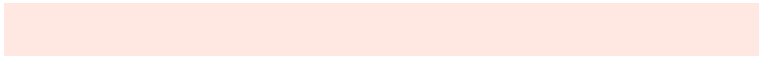
83.6872, 84.4095, 83.1160



81.6030, 84.4095, 79.7351

Triad

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



83.6872, 84.4095, 83.1160



75.8575, 84.4095, 88.0493



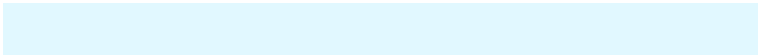
81.2763, 84.4095, 105.5317

Complementary

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



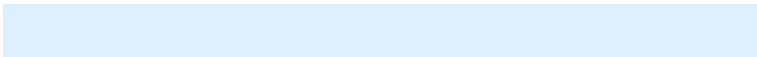
83.6872, 84.4095, 83.1160



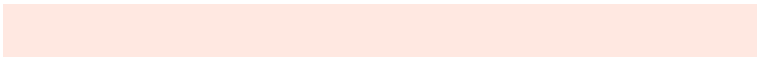
82.6678, 90.3598, 107.6919

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.



78.8699, 84.4095, 105.2598



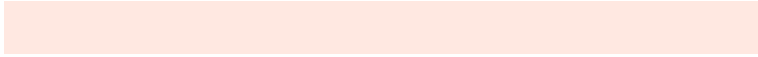
83.6872, 84.4095, 83.1160



75.7741, 84.4095, 94.9274

Square

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



83.6872, 84.4095, 83.1160



77.0971, 84.4095, 82.4835



76.8668, 84.4095, 101.2983



83.4439, 84.4095, 102.0235

Rectangle

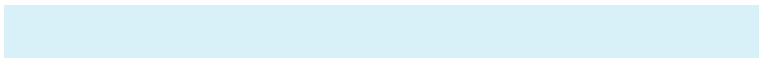
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



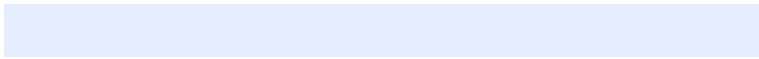
83.6872, 84.4095, 83.1160



79.9900, 84.4095, 79.2183



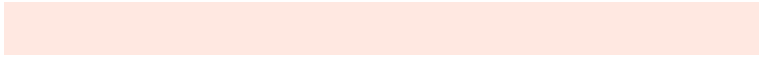
76.8668, 84.4095, 101.2983



80.4679, 84.4095, 105.8844

Sweetspot

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



83.6892, 84.4131, 83.1178



91.0073, 94.4731, 99.6647



85.1090, 81.8886, 100.1276



19.3210, 20.0043, 20.9723



0.0000, 0.0000, 0.0000



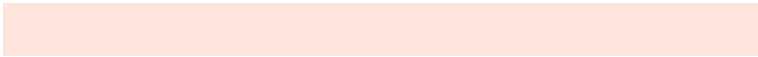
20.3446, 21.4041, 23.3091

Same Dimension

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



83.6892, 84.4131, 83.1178



81.7091, 81.6770, 78.6838



88.0917, 93.2181, 84.5853



18.3535, 18.6753, 18.7817



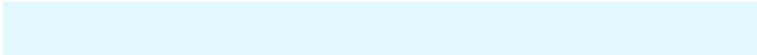
22.4741, 12.9595, 1.3169



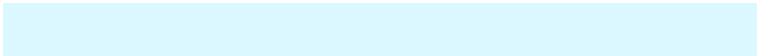
2.2673, 1.4200, 0.1546

Inverse Universe

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



82.6678, 90.3598, 107.6919



80.5119, 88.6429, 107.4741



78.2411, 81.5063, 106.2163



18.1742, 19.7200, 23.0984



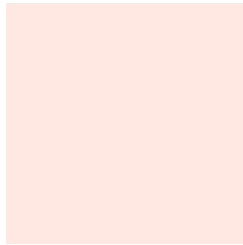
19.8021, 24.5138, 53.1225



2.0110, 2.5526, 5.2000

Previews

White Background



This preview shows how the XYZ color 83.6872, 84.4095, 83.1160 looks on a white background.

Color Contrast Check

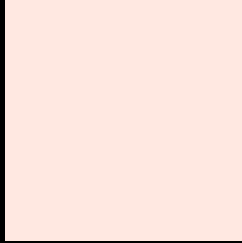
Large Text (above 18pt) WCAG AA × Fail

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 83.6872, 84.4095, 83.1160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

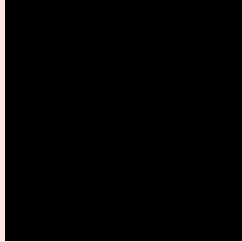
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

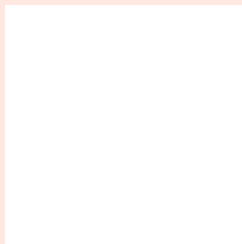
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6872, 84.4095, 83.1160

Background



This preview shows how black text looks on a background with the XYZ color 83.6872, 84.4095, 83.1160.

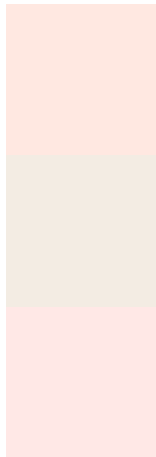


This preview shows how white text looks on a background with the XYZ color 83.6872, 84.4095,

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

83.6872, 84.4095, 83.1160

Protanopia

80.8227, 84.5916, 84.7411

Deuteranopia

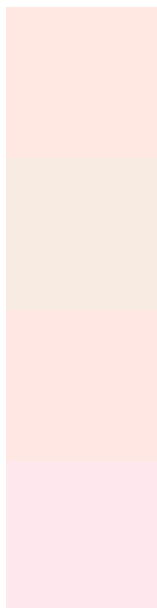
84.3795, 84.6864, 86.7617



Tritanopia

86.0182, 84.4462, 98.1523

Trichromacy



Original Color

83.6872, 84.4095, 83.1160

Protanomaly

81.7936, 84.6818, 83.9857

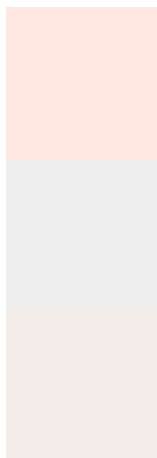
Deuteranomaly

84.1002, 84.5747, 85.2908

Tritanomaly

85.2485, 84.5849, 92.7224

Monochromacy



Original Color

83.6872, 84.4095, 83.1160

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.0117, 85.1072, 89.1956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6872, 84.4095, 83.1160 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, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 225) }
```

Border

The CSS property to change the border of an element to XYZ 83.6872, 84.4095, 83.1160 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, 225) }
```


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

```
.border{ border-color:rgb(255, 232, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6872, 84.4095, 83.1160 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
232, 225) }
```

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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