

Converting Colors

XYZ(83.0617, 83.7959, 80.9425)

Have a look what the booklet for
XYZ(83.0617, 83.7959, 80.9425)
contains.

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Color

**XYZ(83.0007, 83.6858,
80.8856)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7DE
RGB	255, 231, 222
RGB Percent	100%, 91%, 87%
CMY	0.0000, 0.0941, 0.1294
CMYK	0.00, 0.09, 0.13, 0.00
HSL	16°, 100%, 94%
HSV	16°, 13%, 100%
XYZ	83.0007, 83.6858, 80.8856
YIQ	237.1500, 17.1930, 2.2890

Conversions

Conversions Part 2

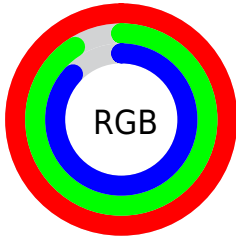
Format	Color
R _Y B	255, 234, 222
Decimal	16771038
CIE Lab	93.31, 6.74, 7.34
CIE LCh	93, 9.960, 47.453
Yxy	83.6858, 0.3353, 0.3380
Android (android.graphics.Color)	4294961118 (0xFFFFE7DE)
YUV	237.1500, -7.4689, 15.6545
Hunter-Lab	91.4799, 1.8650, 11.6124

Details

The XYZ color **83.0007, 83.6858, 80.8856** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.1291, 88.6586, 107.4446**, and the grayscale version is **80.6600, 84.8606, 92.4132**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5937, 45.4557, 42.9300** is the 20% darker color. If you saturate the color by 10%, you get **74.9209, 72.5881, 62.5866**, and if you desaturate by 10%, it is **92.1513, 96.0969, 102.0938**.

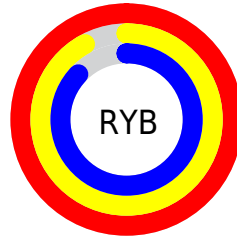
Distribution



Red (100%)

Green (91%)

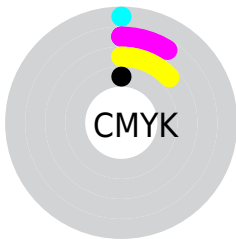
Blue (87%)



Red (100%)

Yellow (92%)

Blue (87%)

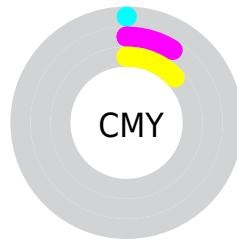


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0007, 83.6858, 80.8856 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 83.0007, 83.6858, 80.8856 by changing the saturation by 10% instead.


 83.0007, 83.6858,
80.8856

 83.0007, 83.6858,
80.8856


493.5727,
507.2693, 517.6976

 62.5076, 62.7561,
59.9169


136.5050,
138.5356, 136.4327

 45.7002, 45.6439,
42.9268


170.2469,
173.2244, 171.8483

 32.2129, 31.9649,
29.4967


209.1358,
213.2684, 212.9166

 21.6805, 21.3347,
19.2081

253.5371,
259.0519, 260.0561

 13.7376, 13.3689,
11.6424

303.8160,
310.9593, 313.6855

 8.0189, 7.6830,
6.3811

360.3381,

 4.1589, 3.8928,

369.3751, 374.2231

3.0057

423.4685,
434.6836, 442.0877

■ 1.7924, 1.6138,
1.0975

■ 0.5131, 0.3669,
0.0000

■ 83.0007, 83.6858,
80.8856

■ 83.0007, 83.6858,
80.8856

■ 74.9209, 72.5881,
62.5866

■ 92.1513, 96.0969,
102.0938

■ 67.8655, 62.7497,
47.0639

95.0500, 100.0000,
108.9000

■ 61.7940, 54.1286,
34.1823

■ 56.6602, 46.6760,
23.7929

■ 52.4144, 40.3400,
15.7319

■ 49.0015, 35.0643,
9.8159

■ 46.3599, 30.7874,
5.8332

■ 44.4176, 27.4404,
3.5278

■ 43.4043, 25.5885,
2.6514

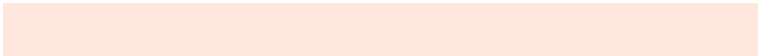
Harmonies

Analogous

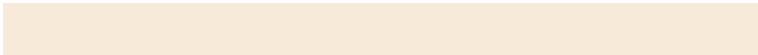
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4505, 83.6858, 86.8550



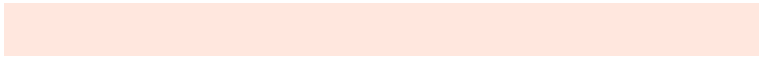
83.0007, 83.6858, 80.8856



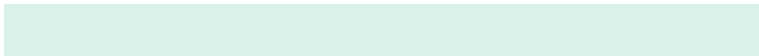
80.6417, 83.6858, 77.7332

Triad

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



83.0007, 83.6858, 80.8856



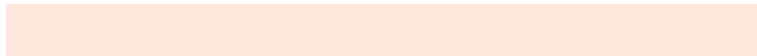
74.7180, 83.6858, 88.0173



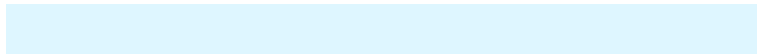
81.0634, 83.6858, 105.6073

Complementary

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



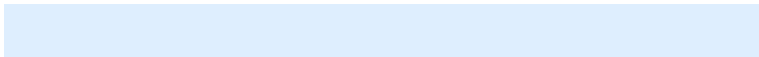
83.0007, 83.6858, 80.8856



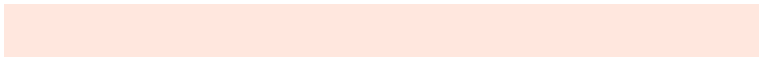
81.1291, 88.6586, 107.4446

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.



78.4501, 83.6858, 105.9609



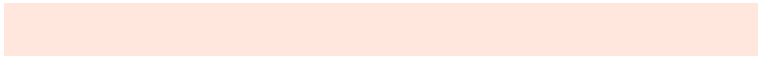
83.0007, 83.6858, 80.8856



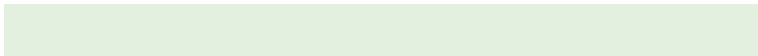
74.8252, 83.6858, 95.5215

Square

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



83.0007, 83.6858, 80.8856



75.8822, 83.6858, 81.6961



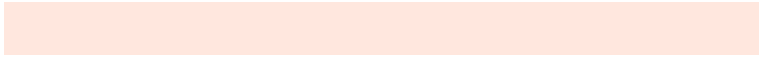
76.1785, 83.6858, 102.1824



83.3152, 83.6858, 101.2413

Rectangle

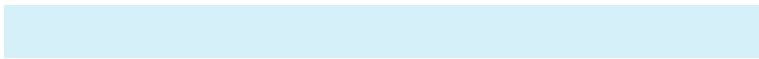
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0007, 83.6858, 80.8856



78.8883, 83.6858, 77.5328



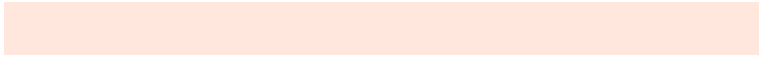
76.1785, 83.6858, 102.1824



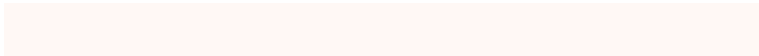
80.1970, 83.6858, 106.2076

Sweetspot

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



83.0027, 83.6894, 80.8874



91.1304, 94.7193, 99.7058



84.0271, 80.1696, 98.3957



19.3521, 20.0664, 20.9826



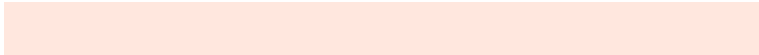
0.0000, 0.0000, 0.0000



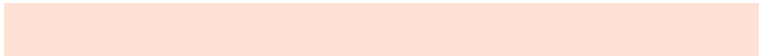
20.3446, 21.4041, 23.3091

Same Dimension

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



83.0027, 83.6894, 80.8874



80.4186, 80.1562, 74.9855



87.7777, 93.2394, 82.4790



18.4127, 18.7935, 18.8014



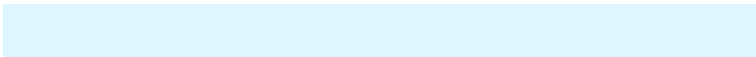
22.7852, 13.5817, 1.4206



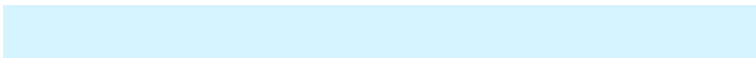
2.3048, 1.4949, 0.1671

Inverse Universe

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



81.1291, 88.6586, 107.4446



78.1505, 86.1673, 107.1207



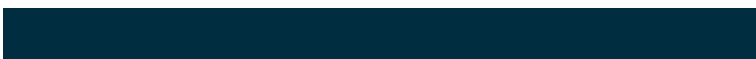
76.3885, 79.1774, 105.8644



18.1111, 19.5938, 23.0774



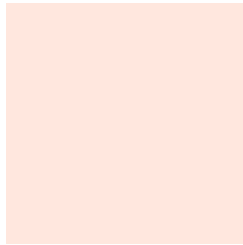
18.6730, 22.2557, 52.7462



1.9092, 2.3491, 5.1661

Previews

White Background



This preview shows how the XYZ color 83.0007, 83.6858, 80.8856 looks on a white background.

Color Contrast Check

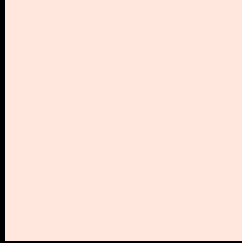
Large Text (above 18pt) WCAG AA × Fail

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 83.0007, 83.6858, 80.8856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

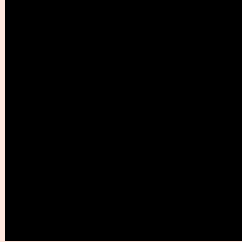
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0007, 83.6858, 80.8856

Background



This preview shows how black text looks on a background with the XYZ color 83.0007, 83.6858, 80.8856.



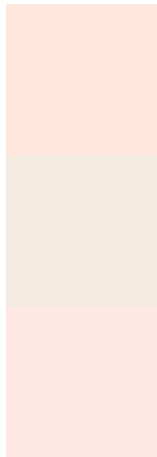
This preview shows how white text looks on a background with the XYZ color 83.0007, 83.6858,

80.8856.

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

83.0007, 83.6858, 80.8856

Protanopia

80.1250, 83.8532, 82.4832

Deuteranopia

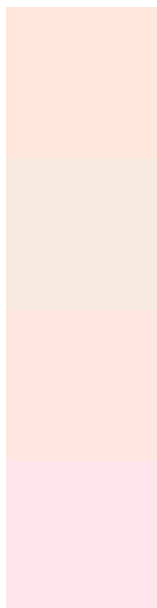
83.6810, 83.9579, 84.4681



Tritanopia

85.5884, 83.8303, 97.2578

Trichromacy



Original Color

83.0007, 83.6858, 80.8856

Protanomaly

81.0999, 83.9475, 81.7411

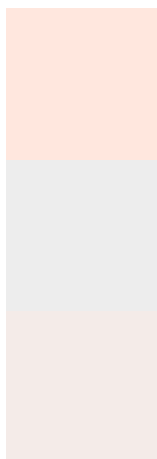
Deuteranomaly

83.4065, 83.8481, 83.0225

Tritanomaly

84.6771, 83.9098, 91.0901

Monochromacy



Original Color

83.0007, 83.6858, 80.8856

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.5820, 84.4760, 88.3496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0007, 83.6858, 80.8856 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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, 231, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 222) }
```

Border

The CSS property to change the border of an element to XYZ 83.0007, 83.6858, 80.8856 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, 222) }
```


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

```
.border{ border-color:rgb(255, 231, 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, 231, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0007, 83.6858, 80.8856 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, 222) }
```

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

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