

Converting Colors

XYZ(83.6647, 86.5628, 76.3317)

Have a look what the booklet for
XYZ(83.6647, 86.5628, 76.3317)
contains.

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Color

**XYZ(83.7899, 86.7347,
76.6152)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD7
RGB	255, 237, 215
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0706, 0.1569
CMYK	0.00, 0.07, 0.16, 0.00
HSL	33°, 100%, 92%
HSV	33°, 16%, 100%
XYZ	83.7899, 86.7347, 76.6152
YIQ	239.8740, 17.7900, -3.0260

Conversions

Conversions Part 2

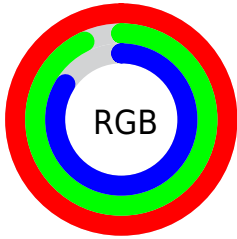
Format	Color
R _Y B	248, 255, 215
Decimal	16772567
CIE Lab	94.63, 2.59, 12.85
CIE LCh	95, 13.104, 78.596
Yxy	86.7347, 0.3390, 0.3510
Android (android.graphics.Color)	4294962647 (0xFFFFEED7)
YUV	239.8740, -12.2629, 13.2655
Hunter-Lab	93.1315, -2.3845, 16.4167

Details

The XYZ color **83.7899, 86.7347, 76.6152** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.2125, 79.9426, 106.0741**, and the grayscale version is **82.8109, 87.1235, 94.8775**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1577, 47.5916, 40.0110** is the 20% darker color. If you saturate the color by 10%, you get **77.5499, 79.0960, 59.6099**, and if you desaturate by 10%, it is **90.7573, 95.0101, 96.3848**.

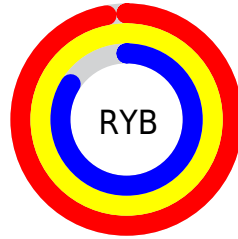
Distribution



Red (100%)

Green (93%)

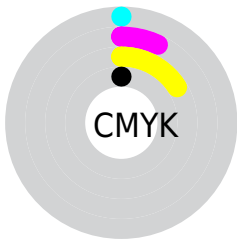
Blue (84%)



Red (97%)

Yellow (100%)

Blue (84%)

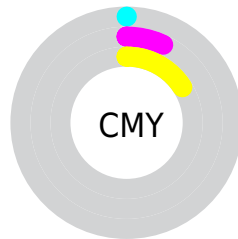


Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7899, 86.7347, 76.6152 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 83.7899, 86.7347, 76.6152 by changing the saturation by 10% instead.


 83.7899, 86.7347,
76.6152

 83.7899, 86.7347,
76.6152


496.1595,
517.3507, 502.8538

 63.1611, 65.2757,
56.4274


137.6040,
142.7943, 130.3642

 46.2307, 47.6847,
40.1394


171.5201,
178.1637, 164.7625

 32.6333, 33.5772,
27.3327


210.5959,
218.9386, 204.7348

 22.0036, 22.5690,
17.5886

255.1969,
265.5035, 250.6995

 13.9761, 14.2756,
10.4886

305.6884,
318.2428, 303.0752

 8.1857, 8.3126,
5.6143

362.4358,

 4.2668, 4.2956,

377.5408, 362.2805

2.5470

425.8043,
443.7820, 428.7338

■ 1.8541, 1.8403,
0.8649

■ 0.5500, 0.5121,
0.0000

■ 83.7899, 86.7347,
76.6152

■ 83.7899, 86.7347,
76.6152

■ 77.5499, 79.0960,
59.6099

■ 90.7573, 95.0101,
96.3848

■ 72.0036, 72.0656,
45.2378

95.0500, 100.0000,
108.9000

■ 67.1236, 65.6289,
33.3655

■ 62.8778, 59.7665,
23.8454

■ 59.2314, 54.4573,
16.5142

■ 56.1450, 49.6787,
11.1875

■ 53.5735, 45.4051,
7.6499

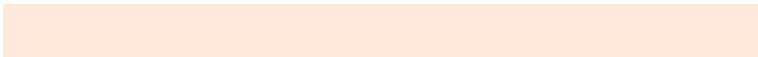
■ 51.4617, 41.6067,
5.6352

■ 50.6598, 40.0997,
5.0699

Harmonies

Analogous

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



87.0159, 86.7347, 80.5791



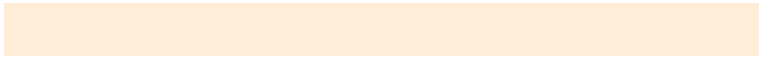
83.7899, 86.7347, 76.6152



80.2903, 86.7347, 77.1662

Triad

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



83.7899, 86.7347, 76.6152



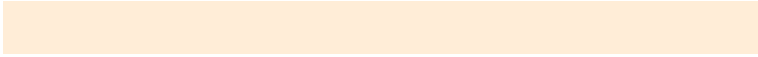
76.1634, 86.7347, 100.7834



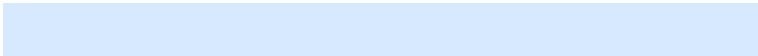
87.6423, 86.7347, 107.9063

Complementary

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



83.7899, 86.7347, 76.6152



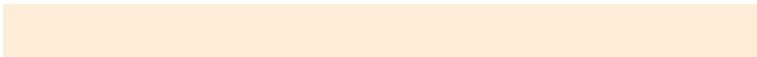
75.2125, 79.9426, 106.0741

Split Complementary

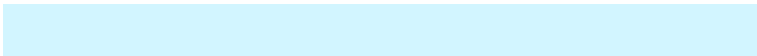
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6251, 86.7347, 114.1150



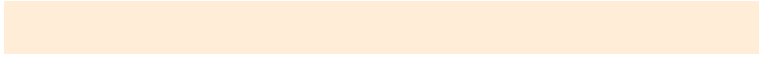
83.7899, 86.7347, 76.6152



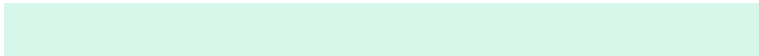
78.0250, 86.7347, 109.8043

Square

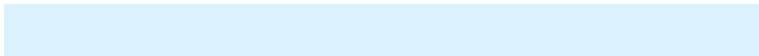
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7899, 86.7347, 76.6152



75.9543, 86.7347, 90.6427



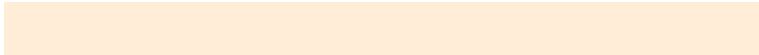
81.1022, 86.7347, 114.8334



89.2821, 86.7347, 98.3406

Rectangle

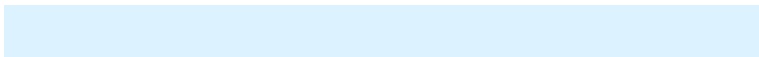
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7899, 86.7347, 76.6152



78.2712, 86.7347, 80.0287



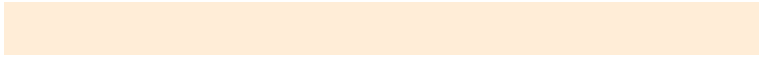
81.1022, 86.7347, 114.8334



86.7516, 86.7347, 110.4837

Sweetspot

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



83.7920, 86.7384, 76.6170



91.2620, 95.6007, 97.8442



80.2490, 75.7450, 87.4822



19.4231, 20.3329, 20.6225



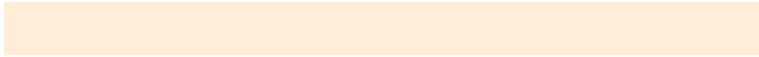
0.0000, 0.0000, 0.0000



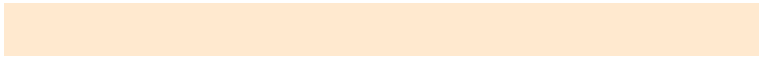
20.3446, 21.4041, 23.3091

Same Dimension

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



83.7920, 86.7384, 76.6170



81.6443, 84.1365, 70.6803



88.5340, 97.3090, 78.4074



18.8378, 19.6438, 18.9431



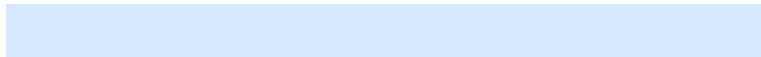
26.6222, 21.2556, 2.6996



2.7013, 2.2879, 0.2992

Inverse Universe

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



75.2125, 79.9426, 106.0741



71.4952, 76.0979, 105.5279



70.9666, 70.5737, 104.4895



17.6759, 18.7234, 22.9323



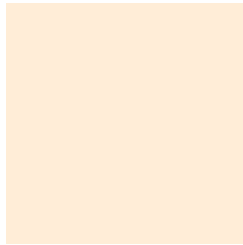
12.7622, 10.4339, 50.7759



1.3498, 1.2304, 4.9796

Previews

White Background



This preview shows how the XYZ color 83.7899, 86.7347, 76.6152 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 83.7899, 86.7347, 76.6152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

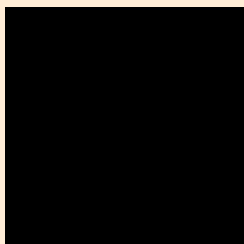
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7899, 86.7347, 76.6152

Background



This preview shows how black text looks on a background with the XYZ color 83.7899, 86.7347, 76.6152.



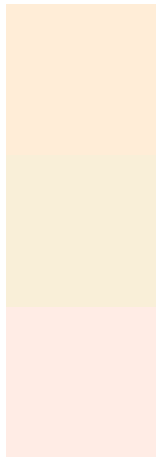
This preview shows how white text looks on a background with the XYZ color 83.7899, 86.7347,

76.6152.

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

83.7899, 86.7347, 76.6152

Protanopia

82.3281, 86.8306, 77.3866

Deuteranopia

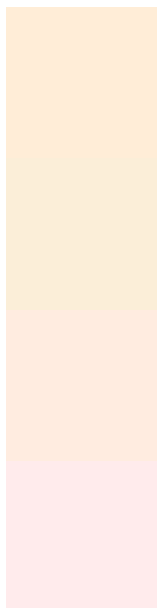
85.3783, 86.9080, 86.4038



Tritanopia

87.6061, 86.8829, 100.9597

Trichromacy



Original Color

83.7899, 86.7347, 76.6152

Protanomaly

82.7529, 86.6162, 77.3228

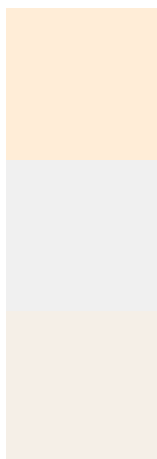
Deuteranomaly

84.6900, 86.6327, 82.7792

Tritanomaly

86.0887, 86.7328, 91.5606

Monochromacy



Original Color

83.7899, 86.7347, 76.6152

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.9465, 86.9150, 88.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7899, 86.7347, 76.6152 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, 237, 215) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 215)  
}
```

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, 237, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 215) }
```

Border

The CSS property to change the border of an element to XYZ 83.7899, 86.7347, 76.6152 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, 237, 215) }
```


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

```
.border{ border-color:rgb(255, 237, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7899, 86.7347, 76.6152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 215) }
```

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

```
.background{ background-color: rgb(255,  
237, 215) }
```

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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