

Converting Colors

XYZ(83.1778, 86.7016, 72.7386)

Have a look what the booklet for
XYZ(83.1778, 86.7016, 72.7386)
contains.

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Color

**XYZ(83.0328, 86.4318,
72.6283)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD1
RGB	255, 237, 209
RGB Percent	100%, 93%, 82%
CMY	0.0000, 0.0706, 0.1804
CMYK	0.00, 0.07, 0.18, 0.00
HSL	37°, 100%, 91%
HSV	37°, 18%, 100%
XYZ	83.0328, 86.4318, 72.6283
YIQ	239.1900, 19.7160, -4.8920

Conversions

Conversions Part 2

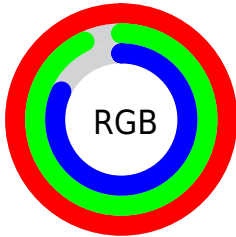
Format	Color
R _Y B	239, 255, 209
Decimal	16772561
CIE Lab	94.50, 1.70, 15.76
CIE LCh	94, 15.855, 83.851
Yxy	86.4318, 0.3430, 0.3570
Android (android.graphics.Color)	4294962641 (0xFFFFEED1)
YUV	239.1900, -14.8837, 13.8654
Hunter-Lab	92.9687, -3.2722, 18.7600

Details

The XYZ color **83.0328, 86.4318, 72.6283** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.8129, 75.7114, 105.4365**, and the grayscale version is **82.2954, 86.5811, 94.2868**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7290, 47.4201, 37.7532** is the 20% darker color. If you saturate the color by 10%, you get **77.3172, 79.6550, 56.3740**, and if you desaturate by 10%, it is **89.4186, 93.7396, 91.6011**.

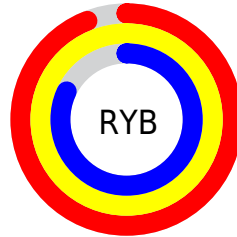
Distribution



Red (100%)

Green (93%)

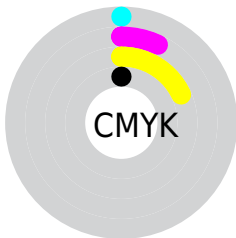
Blue (82%)



Red (94%)

Yellow (100%)

Blue (82%)

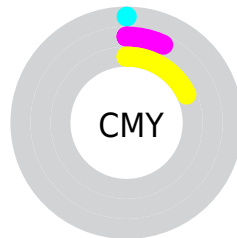


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0328, 86.4318, 72.6283 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 83.0328, 86.4318, 72.6283 by changing the saturation by 10% instead.


 83.0328, 86.4318,
72.6283

 83.0328, 86.4318,
72.6283


493.6781,
516.3539, 488.7617

 62.5342, 65.0251,
53.1821


136.5497,
142.3719, 124.6654

 45.7217, 47.4814,
37.5594


170.2987,
177.6741, 158.0934

 32.2300, 33.4164,
25.3418


209.1952,
218.3769, 197.0191

 21.6936, 22.4456,
16.1105

253.6046,
264.8647, 241.8610

 13.7473, 14.1847,
9.4472

303.8923,
317.5219, 293.0377

 8.0256, 8.2492,
4.9332

360.4235,

 4.1633, 4.2548,

376.7329, 350.9677

2.1501

423.5636,
442.8821, 416.0695

■ 1.7949, 1.8171,
0.6453

■ 0.5146, 0.4978,
0.0000

■ 83.0328, 86.4318,
72.6283

■ 83.0328, 86.4318,
72.6283

■ 77.3172, 79.6550,
56.3740

■ 89.4186, 93.7396,
91.6011

■ 72.2390, 73.3832,
42.7055

95.0500, 100.0000,
108.9000

■ 67.7716, 67.6044,
31.4873

■ 63.8841, 62.3020,
22.5689

■ 60.5421, 57.4575,
15.7831

■ 57.7066, 53.0511,
10.9400

■ 55.3325, 49.0597,
7.8153

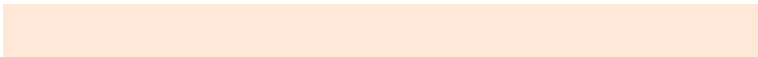
■ 53.3590, 45.4542,
6.1048

■ 53.0026, 44.7853,
5.8509

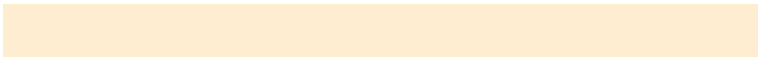
Harmonies

Analogous

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



87.0861, 86.4318, 76.3833



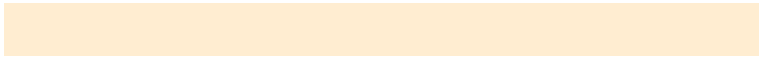
83.0328, 86.4318, 72.6283



78.8779, 86.4318, 74.2142

Triad

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



83.0328, 86.4318, 72.6283



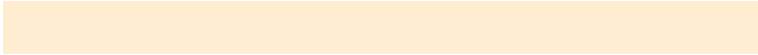
74.8734, 86.4318, 103.9336



88.9552, 86.4318, 108.6612

Complementary

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



83.0328, 86.4318, 72.6283



71.8129, 75.7114, 105.4365

Split Complementary

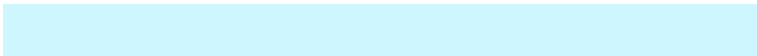
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5131, 86.4318, 117.2763



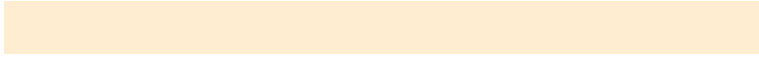
83.0328, 86.4318, 72.6283



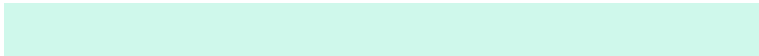
77.4057, 86.4318, 114.3857

Square

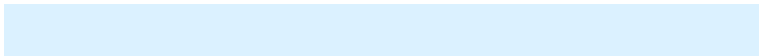
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0328, 86.4318, 72.6283



74.2609, 86.4318, 91.6150



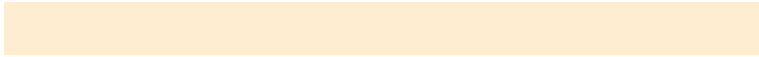
81.2751, 86.4318, 119.4567



90.5807, 86.4318, 96.6489

Rectangle

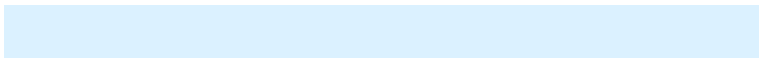
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0328, 86.4318, 72.6283



76.5972, 86.4318, 78.1620



81.2751, 86.4318, 119.4567



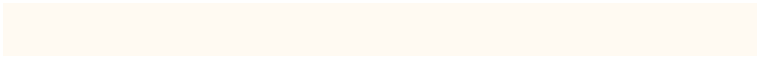
87.9666, 86.4318, 112.0909

Sweetspot

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



83.0348, 86.4355, 72.6301



91.4941, 96.0648, 97.9215



77.9615, 72.4301, 82.8350



19.4795, 20.4458, 20.6414



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

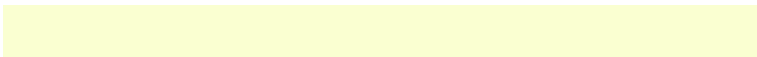
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0348, 86.4355, 72.6301



80.6915, 83.6876, 65.8724



86.8368, 96.5215, 74.3765



18.9298, 19.8278, 18.9738



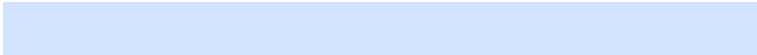
27.8446, 23.7003, 3.1071



2.8175, 2.5203, 0.3380

Inverse Universe

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



71.8129, 75.7114, 105.4365



67.3923, 70.9798, 104.7563



68.4663, 67.0581, 103.9427



17.5858, 18.5432, 22.9023



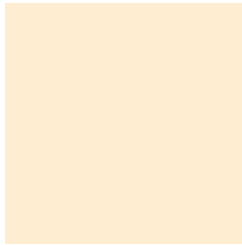
11.9350, 8.7796, 50.5002



1.2646, 1.0599, 4.9512

Previews

White Background



This preview shows how the XYZ color 83.0328, 86.4318, 72.6283 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 83.0328, 86.4318, 72.6283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

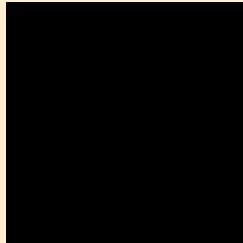
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0328, 86.4318, 72.6283

Background



This preview shows how black text looks on a background with the XYZ color 83.0328, 86.4318, 72.6283.



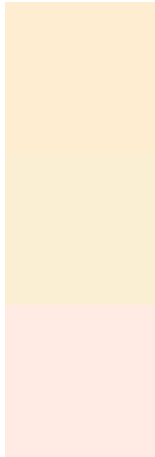
This preview shows how white text looks on a background with the XYZ color 83.0328, 86.4318,

72.6283.

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

83.0328, 86.4318, 72.6283

Protanopia

81.9237, 86.7101, 73.3917

Deuteranopia

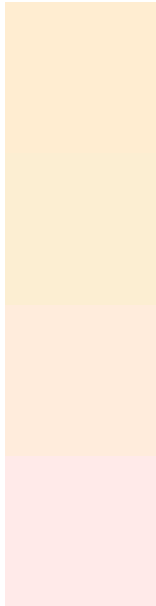
84.8135, 86.2227, 84.8455



Tritanopia

87.1674, 86.2532, 100.0500

Trichromacy



Original Color

83.0328, 86.4318, 72.6283

Protanomaly

82.3523, 86.4977, 73.3281

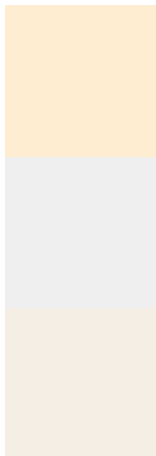
Deuteranomaly

84.1537, 86.4182, 79.9552

Tritanomaly

85.3708, 85.9888, 89.1888

Monochromacy



Original Color

83.0328, 86.4318, 72.6283

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.2343, 86.1630, 85.6957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0328, 86.4318, 72.6283 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 209) }
```

Border

The CSS property to change the border of an element to XYZ 83.0328, 86.4318, 72.6283 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, 209) }
```


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

```
.border{ border-color:rgb(255, 237, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0328, 86.4318, 72.6283 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
237, 209) }
```

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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