

Converting Colors

XYZ(109.4377, 100.0000,
79.3971)

Have a look what the booklet for
XYZ(109.4377, 100.0000, 79.3971)
contains.

XYZ(84.0486, 86.8381, 77.9772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.0486, 86.8381,
77.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD9
RGB	255, 237, 217
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0706, 0.1490
CMYK	0.00, 0.07, 0.15, 0.00
HSL	32°, 100%, 93%
HSV	32°, 15%, 100%
XYZ	84.0486, 86.8381, 77.9772
YIQ	240.1020, 17.1480, -2.4040

Conversions

Conversions Part 2

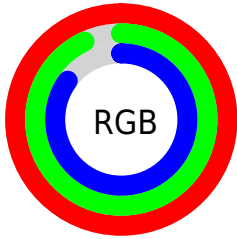
Format	Color
R _Y B	251, 255, 217
Decimal	16772569
CIE Lab	94.67, 2.89, 11.87
CIE LCh	95, 12.221, 76.299
Yxy	86.8381, 0.3377, 0.3489
Android (android.graphics.Color)	4294962649 (0xFFFFEDD9)
YUV	240.1020, -11.3893, 13.0655
Hunter-Lab	93.1870, -2.0818, 15.6181

Details

The XYZ color **84.0486, 86.8381, 77.9772** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3729, 81.3861, 106.2916**, and the grayscale version is **82.9830, 87.3046, 95.0747**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3342, 47.6621, 40.9401** is the 20% darker color. If you saturate the color by 10%, you get **77.6058, 78.8567, 60.7108**, and if you desaturate by 10%, it is **91.2434, 95.5028, 98.0249**.

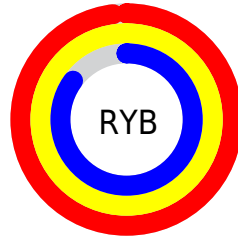
Distribution



Red (100%)

Green (93%)

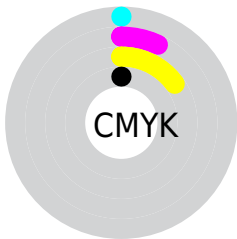
Blue (85%)



Red (98%)

Yellow (100%)

Blue (85%)

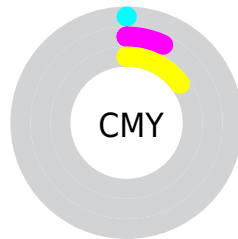


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0486, 86.8381, 77.9772 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 84.0486, 86.8381, 77.9772 by changing the saturation by 10% instead.


 84.0486, 86.8381,
77.9772

 84.0486, 86.8381,
77.9772


497.0058,
517.6907, 507.6153

 63.3754, 65.3612,
57.5389


137.9641,
142.9385, 132.3036

 46.4048, 47.7541,
41.0258


171.9370,
178.3307, 167.0287

 32.7713, 33.6322,
28.0194


211.0740,
219.1303, 207.3532

 22.1097, 22.6112,
18.1011

255.7403,
265.7215, 253.6957

 14.0546, 14.3067,
10.8524

306.3013,
318.4887, 306.4745

 8.2406, 8.3343,
5.8548

363.1223,

 4.3024, 4.3096,

377.8164, 366.1084

2.6896

426.5687,
444.0890, 433.0158

■ 1.8746, 1.8482,
0.9382

■ 0.5620, 0.5169,
0.0000

■ 84.0486, 86.8381,
77.9772

■ 84.0486, 86.8381,
77.9772

■ 77.6058, 78.8567,
60.7108

■ 91.2434, 95.5028,
98.0249

■ 71.8810, 71.5290,
46.0952

95.0500, 100.0000,
108.9000

■ 66.8461, 64.8390,
33.9974

■ 62.4687, 58.7660,
24.2707

■ 58.7133, 53.2877,
16.7531

■ 55.5402, 48.3797,
11.2617

■ 52.9040, 44.0153,
7.5839

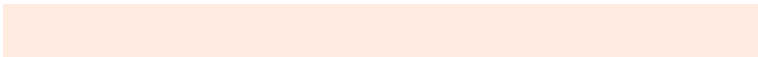
■ 50.7497, 40.1632,
5.4583

■ 49.7991, 38.3783,
4.7830

Harmonies

Analogous

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



86.9977, 86.8381, 82.0166



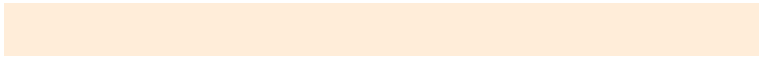
84.0486, 86.8381, 77.9772



80.7695, 86.8381, 78.1649

Triad

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



84.0486, 86.8381, 77.9772



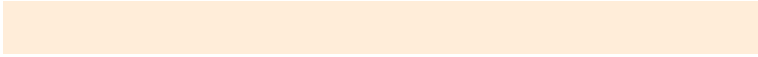
76.5970, 86.8381, 99.7428



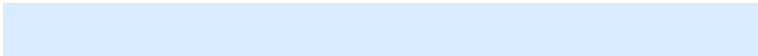
87.2085, 86.8381, 107.6671

Complementary

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



84.0486, 86.8381, 77.9772



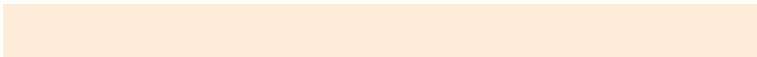
76.3729, 81.3861, 106.2916

Split Complementary

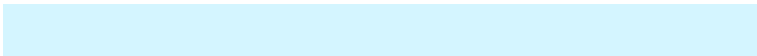
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3301, 86.8381, 113.0828



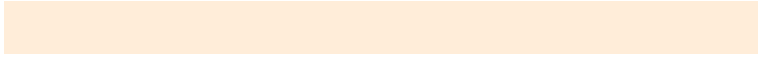
84.0486, 86.8381, 77.9772



78.2315, 86.8381, 108.3035

Square

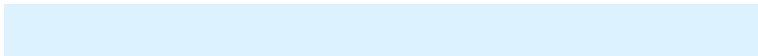
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0486, 86.8381, 77.9772



76.5262, 86.8381, 90.3139



81.0437, 86.8381, 113.3232



88.8546, 86.8381, 98.9205

Rectangle

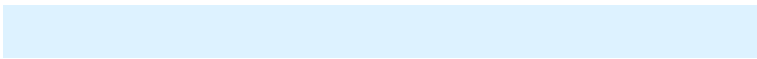
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0486, 86.8381, 77.9772



78.8383, 86.8381, 80.6531



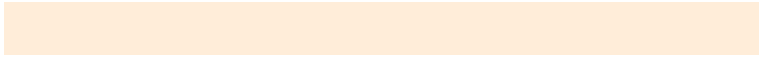
81.0437, 86.8381, 113.3232



86.3496, 86.8381, 109.9623

Sweetspot

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



84.0506, 86.8418, 77.9790



91.9293, 96.3172, 99.9721



81.1019, 76.9060, 89.4458



19.5540, 20.4703, 21.0499



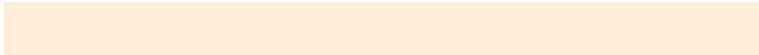
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



84.0506, 86.8418, 77.9790



81.9748, 84.2960, 72.3367



89.2920, 97.6699, 79.7928



18.8009, 19.5700, 18.9308



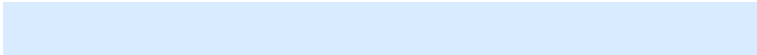
26.1719, 20.3550, 2.5495



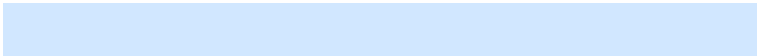
2.6577, 2.2008, 0.2847

Inverse Universe

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



76.3729, 81.3861, 106.2916



72.9028, 77.8498, 105.7919



71.6677, 71.6958, 104.6691



17.7124, 18.7965, 22.9445



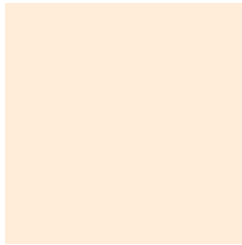
13.1356, 11.1807, 50.9004



1.3874, 1.3054, 4.9921

Previews

White Background



This preview shows how the XYZ color 84.0486, 86.8381, 77.9772 looks on a white background.

Color Contrast Check

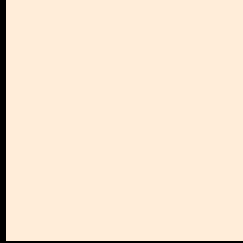
Large Text (above 18pt) WCAG AA × Fail

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 84.0486, 86.8381, 77.9772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

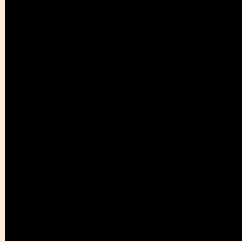
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.0486, 86.8381, 77.9772

Background



This preview shows how black text looks on a background with the XYZ color 84.0486, 86.8381, 77.9772.



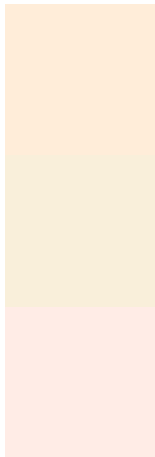
This preview shows how white text looks on a background with the XYZ color 84.0486, 86.8381,

77.9772.

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

84.0486, 86.8381, 77.9772

Protanopia

82.5883, 86.9347, 78.7569

Deuteranopia

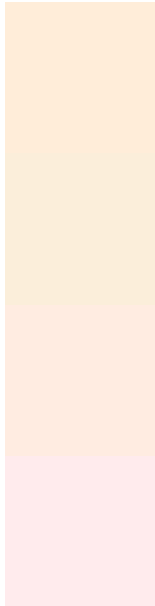
85.5184, 86.9641, 87.1414



Tritanopia

87.6061, 86.8829, 100.9597

Trichromacy



Original Color

84.0486, 86.8381, 77.9772

Protanomaly

83.0131, 86.7203, 78.6931

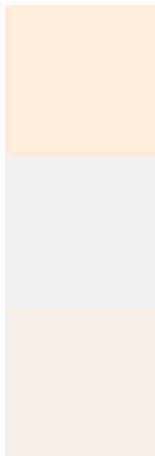
Deuteranomaly

84.8261, 86.6871, 83.4956

Tritanomaly

86.2344, 86.7911, 92.3281

Monochromacy



Original Color

84.0486, 86.8381, 77.9772

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.0882, 86.9717, 88.7519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0486, 86.8381, 77.9772 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 217) }
```

Border

The CSS property to change the border of an element to XYZ 84.0486, 86.8381, 77.9772 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, 217) }
```


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

```
.border{ border-color:rgb(255, 237, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0486, 86.8381, 77.9772 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
237, 217) }
```

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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