

Converting Colors

XYZ(112.6919, 100.0000,
78.7767)

Have a look what the booklet for
XYZ(112.6919, 100.0000, 78.7767)
contains.

XYZ(82.9033, 84.5476, 77.5955)	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(82.9033, 84.5476,
77.5955)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9D9
RGB	255, 233, 217
RGB Percent	100%, 91%, 85%
CMY	0.0000, 0.0863, 0.1490
CMYK	0.00, 0.09, 0.15, 0.00
HSL	25°, 100%, 93%
HSV	25°, 15%, 100%
XYZ	82.9033, 84.5476, 77.5955
YIQ	237.7540, 18.2480, -0.3120

Conversions

Conversions Part 2

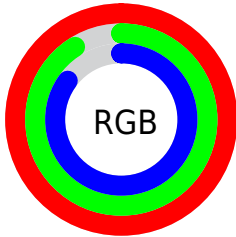
Format	Color
RYB	255, 245, 217
Decimal	16771545
CIELab	93.69, 4.94, 10.47
CIELCh	94, 11.578, 64.764
Yxy	84.5476, 0.3383, 0.3450
Android (android.graphics.Color)	4294961625 (0xFFFFE9D9)
YUV	237.7540, -10.2317, 15.1247
Hunter-Lab	91.9498, 0.0262, 14.3306

Details

The XYZ color **82.9033, 84.5476, 77.5955** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5310, 83.7024, 106.6776**, and the grayscale version is **81.1463, 85.3722, 92.9703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5324, 46.0587, 40.6728** is the 20% darker color. If you saturate the color by 10%, you get **75.8347, 75.3145, 60.1205**, and if you desaturate by 10%, it is **90.8380, 94.6919, 97.8898**.

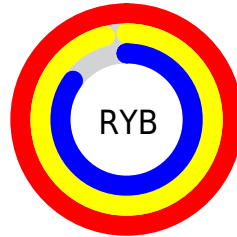
Distribution



Red (100%)

Green (91%)

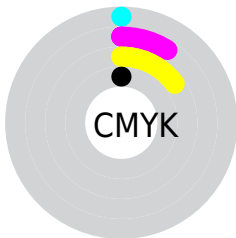
Blue (85%)



Red (100%)

Yellow (96%)

Blue (85%)

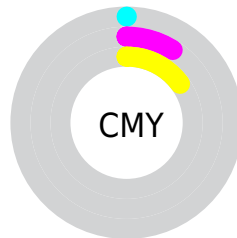


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9033, 84.5476, 77.5955 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 82.9033, 84.5476, 77.5955 by changing the saturation by 10% instead.

 82.9033, 84.5476,
77.5955

 82.9033, 84.5476,
77.5955


493.2530,
510.1299, 506.2835

 62.4270, 63.4676,
57.2273


136.3692,
139.7409, 131.7604

 45.6347, 46.2196,
40.7772


170.0896,
174.6231, 166.3942

 32.1611, 32.4192,
27.8266


208.9554,
214.8748, 206.6203

 21.6407, 21.6819,
17.9571

253.3320,
260.8804, 252.8571

 13.7083, 13.6233,
10.7501

303.5847,
313.0243, 305.5233

 7.9984, 7.8592,
5.7870

360.0788,

 4.1457, 4.0050,

371.6909, 365.0374

2.6493

423.1798,
437.2647, 431.8180

■ 1.7849, 1.6763,
0.9177

■ 0.5085, 0.4083,
0.0000

■ 82.9033, 84.5476,
77.5955

■ 82.9033, 84.5476,
77.5955

■ 75.8347, 75.3145,
60.1205

■ 90.8380, 94.6919,
97.8898

■ 69.5942, 66.9555,
45.3329

95.0500, 100.0000,
108.9000

■ 64.1497, 59.4462,
33.0986

■ 59.4644, 52.7574,
23.2693

■ 55.4982, 46.8576,
15.6814

■ 52.2068, 41.7128,
10.1505

■ 49.5393, 37.2858,
6.4623

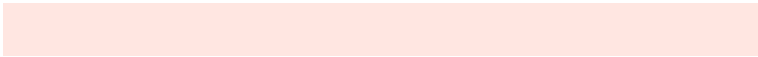
■ 47.4353, 33.5343,
4.3535

■ 46.5399, 31.8597,
3.6966

Harmonies

Analogous

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



85.3080, 84.5476, 82.7500



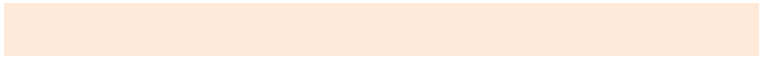
82.9033, 84.5476, 77.5955



79.8706, 84.5476, 76.2160

Triad

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



82.9033, 84.5476, 77.5955



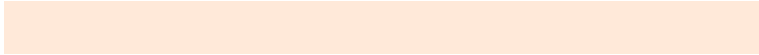
74.6192, 84.5476, 93.4693



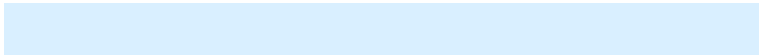
83.7734, 84.5476, 106.6578

Complementary

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



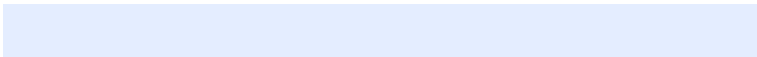
82.9033, 84.5476, 77.5955



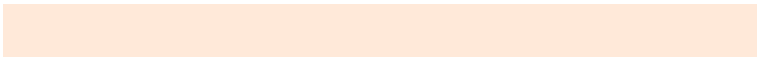
77.5310, 83.7024, 106.6776

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.



80.8513, 84.5476, 109.9558



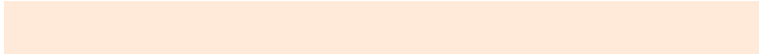
82.9033, 84.5476, 77.5955



75.6070, 84.5476, 102.0390

Square

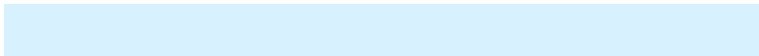
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9033, 84.5476, 77.5955



75.1372, 84.5476, 85.0361



77.8692, 84.5476, 108.2143



85.8193, 84.5476, 99.4562

Rectangle

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



82.9033, 84.5476, 77.5955



77.9123, 84.5476, 77.5430



77.8692, 84.5476, 108.2143



82.8583, 84.5476, 108.2798

Sweetspot

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



82.9053, 84.5512, 77.5973



91.5963, 95.6512, 99.8611



81.6580, 77.1285, 92.3745



19.4698, 20.3018, 21.0218



0.0000, 0.0000, 0.0000



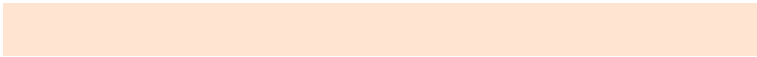
20.3446, 21.4041, 23.3091

Same Dimension

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



82.9053, 84.5512, 77.5973



80.6236, 81.5935, 71.8863



88.5227, 95.7861, 79.4698



18.6381, 19.2444, 18.8765



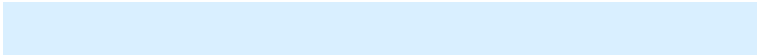
24.4581, 16.9274, 1.9782



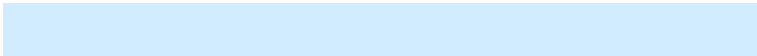
2.4867, 1.8587, 0.2277

Inverse Universe

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



77.5310, 83.7024, 106.6776



74.2726, 80.5894, 106.2485



72.3032, 73.2468, 104.9350



17.8763, 19.1243, 22.9991



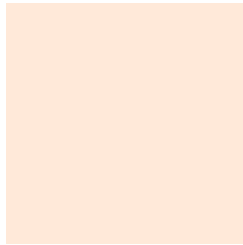
15.0830, 15.0756, 51.5495



1.5767, 1.6842, 5.0553

Previews

White Background



This preview shows how the XYZ color 82.9033, 84.5476, 77.5955 looks on a white background.

Color Contrast Check

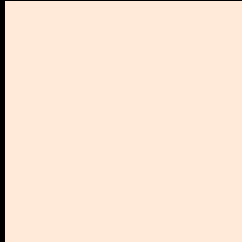
Large Text (above 18pt) WCAG AA × Fail

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 82.9033, 84.5476, 77.5955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

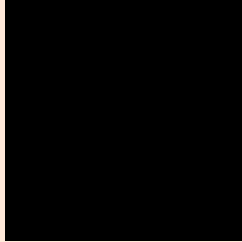
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.9033, 84.5476, 77.5955

Background



This preview shows how black text looks on a background with the XYZ color 82.9033, 84.5476, 77.5955.



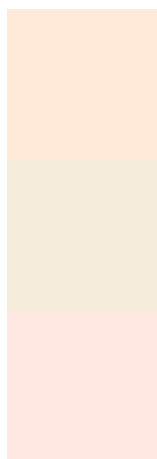
This preview shows how white text looks on a background with the XYZ color 82.9033, 84.5476,

77.5955.

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

82.9033, 84.5476, 77.5955

Protanopia

80.4378, 84.5179, 79.0919

Deuteranopia

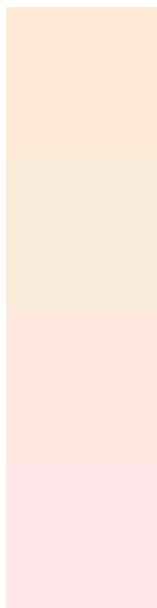
83.8241, 84.4642, 83.8367



Tritanopia

86.0182, 84.4462, 98.1523

Trichromacy



Original Color

82.9033, 84.5476, 77.5955

Protanomaly

81.4301, 84.6184, 78.3708

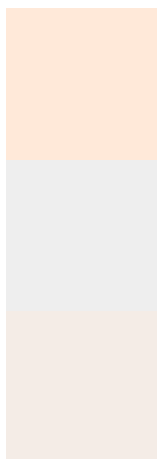
Deuteranomaly

83.4159, 84.3009, 81.6873

Tritanomaly

84.8113, 84.4100, 90.4200

Monochromacy



Original Color

82.9033, 84.5476, 77.5955

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.5866, 84.9372, 86.9573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9033, 84.5476, 77.5955 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, 233, 217) looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 217) }
```

Border

The CSS property to change the border of an element to XYZ 82.9033, 84.5476, 77.5955 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, 233, 217) }
```


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

```
.border{ border-color:rgb(255, 233, 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, 233, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9033, 84.5476, 77.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 217) }
```

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

```
.background{ background-color: rgb(255,  
233, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor