

# Converting Colors

XYZ(82.3111, 85.5043, 77.8160)

Have a look what the booklet for  
XYZ(82.3111, 85.5043, 77.8160)  
contains.

**XYZ(82.3035, 85.5099, 77.8128) ..... 3**  
***Conversions* ..... 4**  
***Details* ..... 6**  
***Harmonies* ..... 12**  
***Previews* ..... 24**  
***Color Blindness Simulation* ..... 28**  
***CSS Examples* ..... 31**

# Color

**XYZ(82.3035, 85.5099,  
77.8128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FBECD9</a>
RGB	<a href="#">251, 236, 217</a>
RGB Percent	<a href="#">98%, 93%, 85%</a>
CMY	<a href="#">0.0157, 0.0745, 0.1490</a>
CMYK	<a href="#">0.00, 0.06, 0.14, 0.02</a>
HSL	<a href="#">34°, 81%, 92%</a>
HSV	<a href="#">34°, 14%, 98%</a>
XYZ	<a href="#">82.3035, 85.5099, 77.8128</a>
YIQ	<a href="#">238.3190, 15.0390, -2.7290</a>

# Conversions

## Conversions Part 2

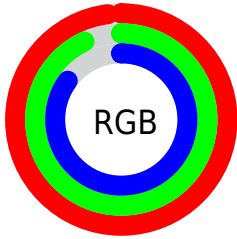
<b>Format</b>	<b>Color</b>
<b>RYB</b>	244, 251, 217
Decimal	16510169
CIELab	94.10, 1.99, 11.02
CIElCh	94, 11.200, 79.743
Yxy	85.5099, 0.3351, 0.3481
Android (android.graphics.Color)	4294700249 (0xFFFBECD9)
YUV	238.3190, -10.5103, 11.1212
Hunter-Lab	92.4716, -2.9529, 14.8389

# Details

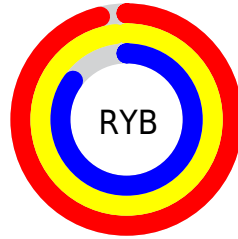
The XYZ color **82.3035, 85.5099, 77.8128** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8841, 79.4283, 102.6519**, and the grayscale version is **81.5879, 85.8368, 93.4763**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0910, 46.7205, 40.8238** is the 20% darker color. If you saturate the color by 10%, you get **76.1955, 78.1267, 60.8761**, and if you desaturate by 10%, it is **89.1104, 93.4944, 97.4342**.

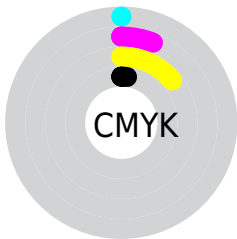
# Distribution



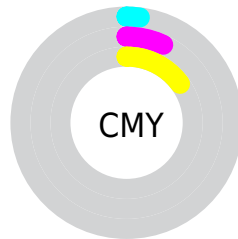
- Red (98%)
- Green (93%)
- Blue (85%)



- Red (96%)
- Yellow (98%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (14%)
- Black (2%)



- Cyan (2%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3035, 85.5099, 77.8128 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 82.3035, 85.5099, 77.8128 by changing the saturation by 10% instead.



82.3035, 85.5099,  
77.8128

82.3035, 85.5099,  
77.8128

491.2814,  
513.3138, 507.0419

61.9307, 64.2628,  
57.4047

135.5331,  
141.0854, 132.0697

45.2321, 46.8635,  
40.9187

169.1207,  
176.1825, 166.7555

31.8423, 32.9278,  
27.9363

207.8438,  
216.6651, 207.0376

21.3961, 22.0711,  
18.0391

252.0680,  
262.9175, 253.3346

13.5279, 13.9092,  
10.8083

302.1585,  
315.3242, 306.0650

7.8726, 8.0575,  
5.8255

358.4806,

4.0646, 4.1318,

374.2696, 365.6473

2.6722

421.3998,  
440.1380, 432.5001

■ 1.7388, 1.7475,  
0.9294

■ 0.4804, 0.4542,  
0.0000

■ 82.3035, 85.5099,  
77.8128

■ 82.3035, 85.5099,  
77.8128

■ 76.1955, 78.1267,  
60.8761

■ 89.1104, 93.4944,  
97.4342

■ 70.7534, 71.3175,  
46.4996

■ 93.5940, 99.2494,  
108.8319

■ 65.9519, 65.0691,  
34.5574

■ 61.7611, 59.3635,  
24.9101

■ 58.1481, 54.1815,  
17.4046

■ 55.0765, 49.5020,  
11.8685

■ 52.5046, 45.3018,  
8.1023

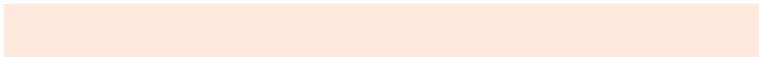
■ 50.3823, 41.5539,  
5.8634

■ 49.2061, 39.3537,  
5.0026

# Harmonies

## Analogous

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



85.0500, 85.5099, 81.0871



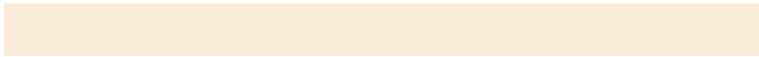
82.3035, 85.5099, 77.8128



79.3463, 85.5099, 78.4403

# Triad

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



82.3035, 85.5099, 77.8128



75.9781, 85.5099, 98.7843



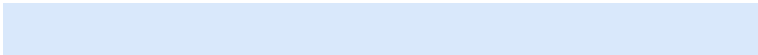
85.7455, 85.5099, 104.1662

# Complementary

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



82.3035, 85.5099, 77.8128



74.8841, 79.4283, 102.6519

# Split Complementary

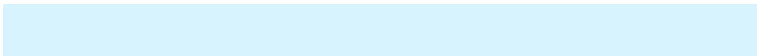
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2339, 85.5099, 109.4938



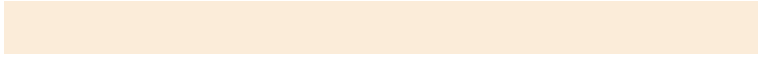
82.3035, 85.5099, 77.8128



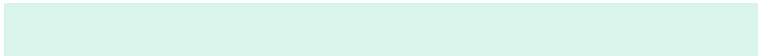
77.6126, 85.5099, 106.2569

# Square

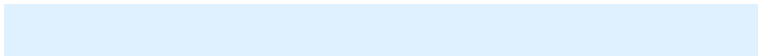
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3035, 85.5099, 77.8128



75.7428, 85.5099, 90.2021



80.2543, 85.5099, 110.2816

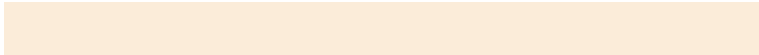


87.0693, 85.5099, 96.0710



# Rectangle

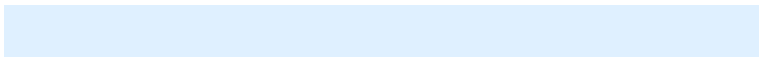
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3035, 85.5099, 77.8128



77.6509, 85.5099, 81.0005



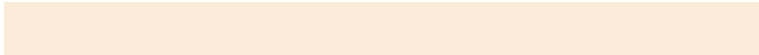
80.2543, 85.5099, 110.2816



85.0093, 85.5099, 106.3607

# Sweetspot

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



82.3058, 85.5137, 77.8146



92.0325, 96.5236, 100.0065



79.2056, 75.9793, 87.0595



19.5801, 20.5225, 21.0586



0.0000, 0.0000, 0.0000

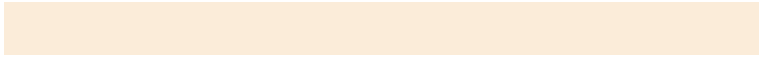


20.3446, 21.4041, 23.3091

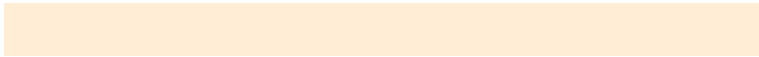


# Same Dimension

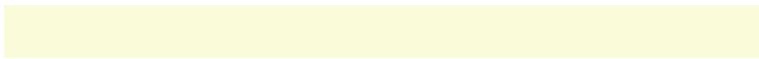
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3058, 85.5137, 77.8146



83.6890, 86.6970, 76.0756



86.1964, 94.1999, 79.2862



18.0494, 18.8347, 18.1465



26.0122, 20.9811, 2.6788

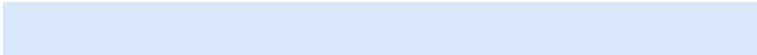


2.5148, 2.1545, 0.2833

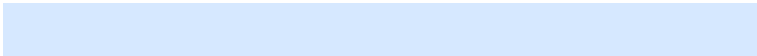


# Inverse Universe

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



74.8841, 79.4283, 102.6519



74.7513, 79.3689, 105.9876



71.3498, 71.6055, 101.3283



16.9130, 17.9029, 21.9495



12.2631, 9.8818, 49.2346

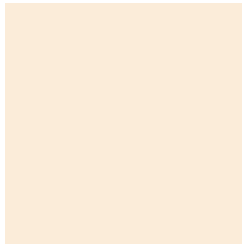


1.2394, 1.1225, 4.5945



# Previews

## White Background



This preview shows how the XYZ color 82.3035, 85.5099, 77.8128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

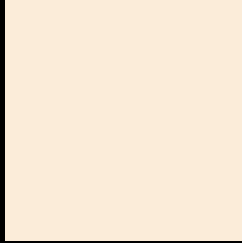
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3035, 85.5099, 77.8128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

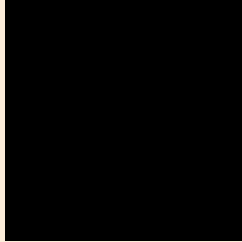
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.3035, 85.5099, 77.8128

## Background



This preview shows how black text looks on a background with the XYZ color 82.3035, 85.5099, 77.8128.



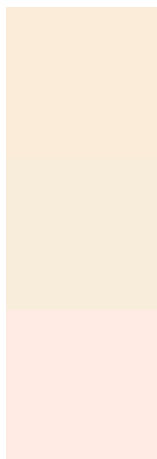
This preview shows how white text looks on a background with the XYZ color 82.3035, 85.5099,

77.8128.

# 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

82.3035, 85.5099, 77.8128

### Protanopia

81.2968, 85.4045, 78.5296

### Deuteranopia

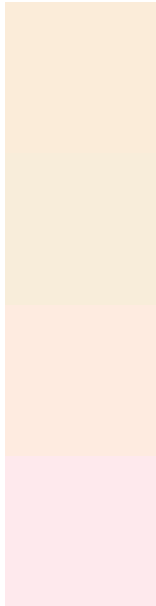
84.6664, 85.7071, 85.4795



## Tritanopia

86.9148, 85.2514, 101.4968

# Trichromacy



## Original Color

82.3035, 85.5099, 77.8128

## Protanomaly

81.6505, 85.5868, 78.5461

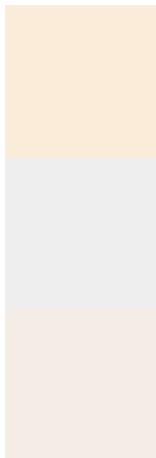
## Deuteranomaly

84.0359, 85.8693, 82.6663

## Tritanomaly

85.2980, 85.4631, 92.1211

# Monochromacy



## Original Color

82.3035, 85.5099, 77.8128

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.5293, 85.3362, 87.0374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3035, 85.5099, 77.8128 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(251, 236, 217) looks like.

```
.text, #text, p{  
    color:rgb(251, 236, 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(251, 236, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 236, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3035, 85.5099, 77.8128 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(251, 236, 217) }
```



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

```
.border{ border-color:rgb(251, 236, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 236, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 236, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 236, 217);  
box-shadow:4px 4px 4px 4px rgb(251, 236,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3035, 85.5099, 77.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 236, 217) }
```

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

```
.background{ background-color: rgb(251,  
236, 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