

# Converting Colors

XYZ(86.3198, 85.2922, 77.0682)

Have a look what the booklet for  
XYZ(86.3198, 85.2922, 77.0682)  
contains.

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# Color

**XYZ(82.2106, 83.3697,  
76.7247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7D8
RGB	255, 231, 216
RGB Percent	100%, 91%, 85%
CMY	0.0000, 0.0941, 0.1529
CMYK	0.00, 0.09, 0.15, 0.00
HSL	23°, 100%, 92%
HSV	23°, 15%, 100%
XYZ	82.2106, 83.3697, 76.7247
YIQ	236.4660, 19.1190, 0.4230

# Conversions

## Conversions Part 2

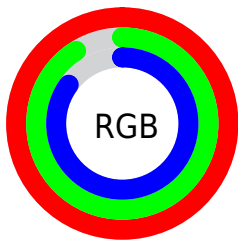
Format	Color
R <sub>Y</sub> B	255, 240, 216
Decimal	16771032
CIE Lab	93.18, 5.81, 10.26
CIE LCh	93, 11.791, 60.490
Yxy	83.3697, 0.3393, 0.3441
Android (android.graphics.Color)	4294961112 (0xFFFFE7D8)
YUV	236.4660, -10.0897, 16.2543
Hunter-Lab	91.3070, 0.9298, 14.0939

# Details

The XYZ color **82.2106, 83.3697, 76.7247** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5282, 84.1367, 106.7616**, and the grayscale version is **80.1524, 84.3265, 91.8316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0517, 45.2389, 40.0757** is the 20% darker color. If you saturate the color by 10%, you get **74.9705, 73.7623, 59.2893**, and if you desaturate by 10%, it is **90.3598, 93.9761, 96.9892**.

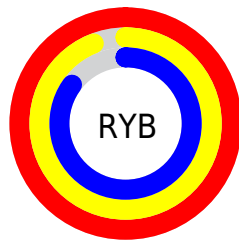
# Distribution



Red (100%)

Green (91%)

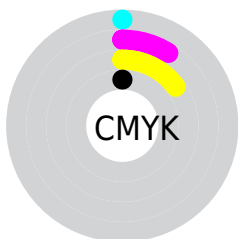
Blue (85%)



Red (100%)

Yellow (94%)

Blue (85%)

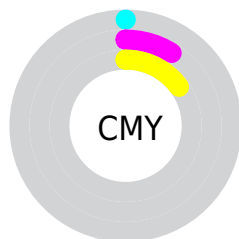


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2106, 83.3697, 76.7247 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 82.2106, 83.3697, 76.7247 by changing the saturation by 10% instead.




 82.2106, 83.3697,  
76.7247

 82.2106, 83.3697,  
76.7247


490.9757,  
506.2178, 503.2376

 61.8538, 62.4952,  
56.5167

135.4036,  
138.0931, 130.5203

 45.1698, 45.4329,  
40.2106


168.9705,  
172.7108, 164.9449

 31.7930, 31.7986,  
27.3878


207.6715,  
212.6784, 204.9456

 21.3582, 21.2077,  
17.6296

251.8720,  
258.3802, 250.9408

 13.5001, 13.2759,  
10.5177

301.9373,  
310.2007, 303.3490

 7.8531, 7.6188,  
5.6335

358.2328,

 4.0521, 3.8520,

368.5241, 362.5889

2.5584

421.1238,  
433.7351, 429.0789

■ 1.7317, 1.5911,  
0.8708

■ 0.4760, 0.3516,  
0.0000

■ 82.2106, 83.3697,  
76.7247

■ 82.2106, 83.3697,  
76.7247

■ 74.9705, 73.7623,  
59.2893

■ 90.3598, 93.9761,  
96.9892

■ 68.6000, 65.1133,  
44.5506

95.0500, 100.0000,  
108.9000

■ 63.0648, 57.3946,  
32.3731

■ 58.3263, 50.5728,  
22.6075

■ 54.3419, 44.6121,  
15.0887

■ 51.0648, 39.4740,  
9.6307

■ 48.4416, 35.1162,  
6.0168

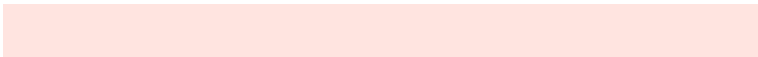
■ 46.4085, 31.4908,  
3.9802

■ 45.6180, 30.0161,  
3.3893

# Harmonies

## Analogous

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



84.4846, 83.3697, 82.3924



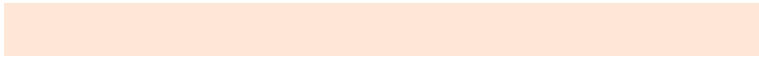
82.2106, 83.3697, 76.7247



79.1894, 83.3697, 74.7640

# Triad

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



82.2106, 83.3697, 76.7247



73.4324, 83.3697, 90.9215



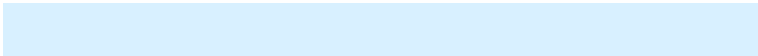
82.3011, 83.3697, 106.2824

# Complementary

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



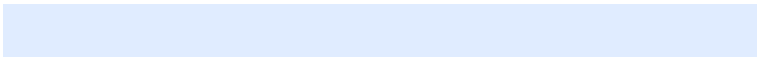
82.2106, 83.3697, 76.7247



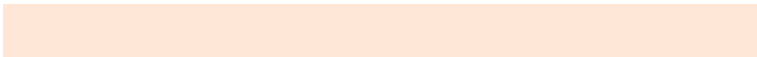
77.5282, 84.1367, 106.7616

# 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.



79.2914, 83.3697, 108.9237



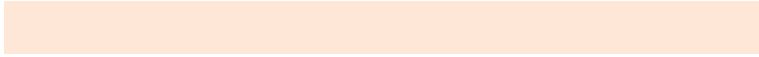
82.2106, 83.3697, 76.7247



74.2179, 83.3697, 99.7087

# Square

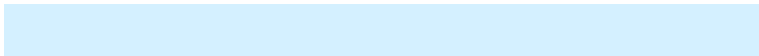
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2106, 83.3697, 76.7247



74.1691, 83.3697, 82.6297



76.3426, 83.3697, 106.4447



84.5378, 83.3697, 99.4397



# Rectangle

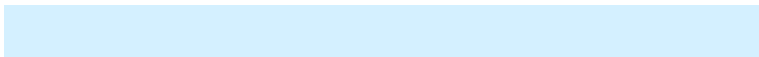
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2106, 83.3697, 76.7247



77.1736, 83.3697, 75.7158



76.3426, 83.3697, 106.4447



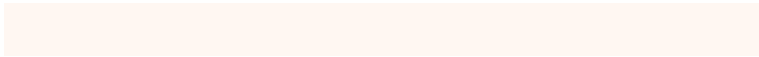
81.3437, 83.3697, 107.7102

# Sweetspot

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



82.2125, 83.3732, 76.7264



90.6129, 94.3025, 97.6278



81.5320, 76.6669, 92.9785



19.2655, 20.0176, 20.5700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

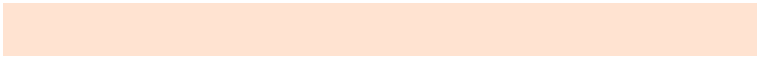


# Same Dimension

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



82.2125, 83.3732, 76.7264



80.1645, 80.6753, 71.7333



87.9606, 94.8693, 78.6425



18.5823, 19.1328, 18.8579



23.9698, 15.9509, 1.8155

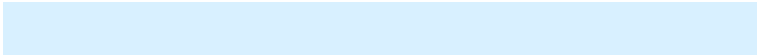


2.4357, 1.7569, 0.2107

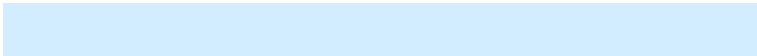


# Inverse Universe

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



77.5282, 84.1367, 106.7616



74.7555, 81.5554, 106.4095



72.1076, 73.2955, 104.9547



17.9336, 19.2388, 23.0182



15.8708, 16.6512, 51.8121

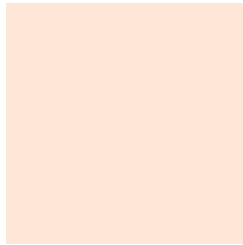


1.6512, 1.8330, 5.0801



# Previews

## White Background



This preview shows how the XYZ color 82.2106, 83.3697, 76.7247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

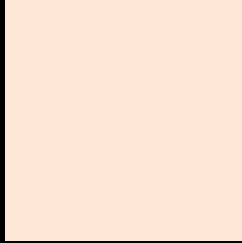
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2106, 83.3697, 76.7247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

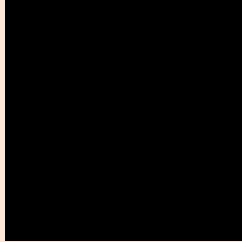
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

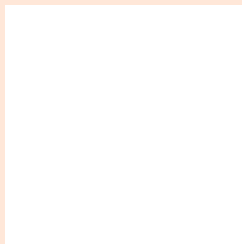
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.2106, 83.3697, 76.7247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.2106, 83.3697, 76.7247.



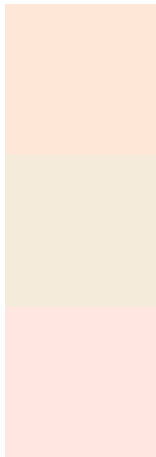
This preview shows how white text looks on a background with the XYZ color 82.2106, 83.3697,

76.7247.

# 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

82.2106, 83.3697, 76.7247

### Protanopia

79.6714, 83.7117, 78.2885

### Deuteranopia

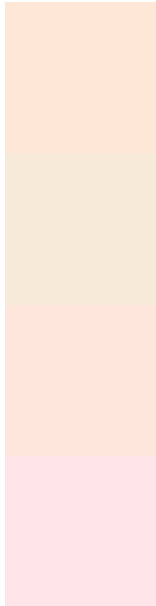
82.9914, 83.2354, 82.2129



## Tritanopia

85.1611, 83.2179, 96.3682

# Trichromacy



## Original Color

82.2106, 83.3697, 76.7247

## Protanomaly

80.6586, 83.8118, 77.5718

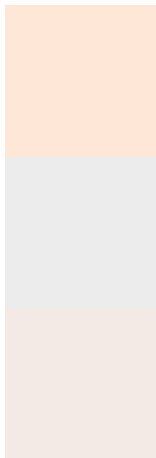
## Deuteranomaly

82.5880, 83.0741, 80.0887

## Tritanomaly

83.9673, 83.1818, 88.7209

# Monochromacy



## Original Color

82.2106, 83.3697, 76.7247

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.5278, 83.5575, 86.0127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2106, 83.3697, 76.7247 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, 231, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 216)  
}
```

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, 231, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2106, 83.3697, 76.7247 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".

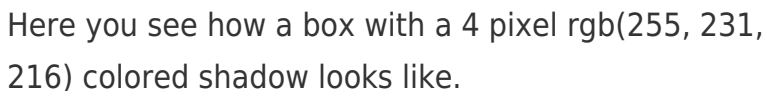
```
.border, #border, table{ border:4px solid rgb(255, 231, 216) }
```



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

```
.border{ border-color:rgb(255, 231, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 231, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 231, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 231, 216); box-shadow:4px 4px 4px 4px rgb(255, 231, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2106, 83.3697, 76.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 216) }
```

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

```
.background{ background-color: rgb(255,  
231, 216) }
```

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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