

# Converting Colors

XYZ(81.7818, 83.8511, 74.5749)

Have a look what the booklet for  
XYZ(81.7818, 83.8511, 74.5749)  
contains.

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# Color

**XYZ(82.0222, 84.1528,  
74.8709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE9D5
RGB	254, 233, 213
RGB Percent	100%, 91%, 84%
CMY	0.0039, 0.0862, 0.1647
CMYK	0.00, 0.08, 0.16, 0.00
HSL	29°, 95%, 92%
HSV	29°, 16%, 100%
XYZ	82.0222, 84.1528, 74.8709
YIQ	236.9990, 18.9360, -1.7680

# Conversions

## Conversions Part 2

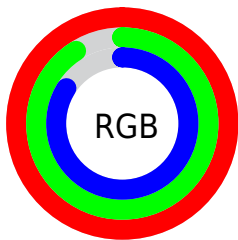
Format	Color
<a href="#">RYB</a>	<a href="#">254, 252, 213</a>
Decimal	<a href="#">16706005</a>
CIELab	<a href="#">93.52, 3.97, 12.29</a>
CIElCh	<a href="#">94, 12.920, 72.083</a>
Yxy	<a href="#">84.1528, 0.3403, 0.3491</a>
Android (android.graphics.Color)	<a href="#">4294896085</a> ( <a href="#">0xFFFE9D5</a> )
YUV	<a href="#">236.9990, -11.8315, 14.9099</a>
Hunter-Lab	<a href="#">91.7348, -0.9351, 15.8239</a>

# Details

The XYZ color **82.0222, 84.1528, 74.8709** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7523, 80.1457, 105.2963**, and the grayscale version is **80.5755, 84.7717, 92.3163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9197, 45.7832, 38.8173** is the 20% darker color. If you saturate the color by 10%, you get **75.5006, 75.8709, 58.0174**, and if you desaturate by 10%, it is **89.3248, 93.1871, 94.4778**.

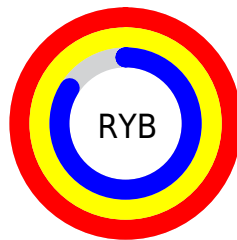
# Distribution



Red (100%)

Green (91%)

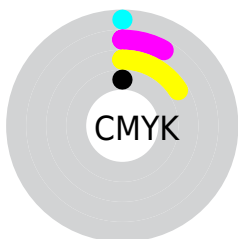
Blue (84%)



Red (100%)

Yellow (99%)

Blue (84%)

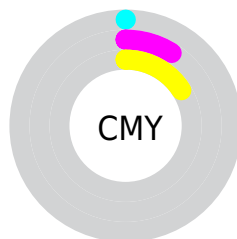


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0222, 84.1528, 74.8709 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 82.0222, 84.1528, 74.8709 by changing the saturation by 10% instead.




 82.0222, 84.1528,  
74.8709

 82.0222, 84.1528,  
74.8709


490.3553,  
508.8205, 496.7173

 61.6980, 63.1416,  
55.0060


135.1408,  
139.1889, 127.8750

 45.0434, 45.9558,  
39.0079


168.6659,  
173.9826, 161.8513

 31.6930, 32.2109,  
26.4580


207.3220,  
214.1392, 201.3686

 21.2816, 21.5227,  
16.9378

251.4745,  
260.0432, 246.8453

 13.4436, 13.5066,  
10.0286

301.4887,  
312.0789, 298.7000

 7.8138, 7.7783,  
5.3121

357.7300,

 4.0268, 3.9534,

370.6308, 357.3512

2.3696

420.5638,  
436.0832, 423.2174

■ 1.7173, 1.6475,  
0.7698

■ 0.4671, 0.3893,  
0.0000

■ 82.0222, 84.1528,  
74.8709

■ 82.0222, 84.1528,  
74.8709

■ 75.5006, 75.8709,  
58.0174

■ 89.3248, 93.1871,  
94.4778

■ 69.7240, 68.3090,  
43.7866

94.6833, 99.8110,  
108.8828

■ 64.6632, 61.4489,  
32.0451

■ 60.2844, 55.2670,  
22.6454

■ 56.5507, 49.7382,  
15.4243

■ 53.4206, 44.8351,  
10.1973

■ 50.8467, 40.5275,  
6.7485

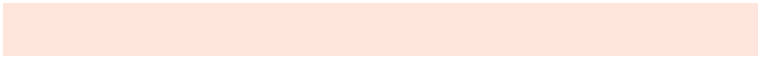
■ 48.7711, 36.7806,  
4.8103

■ 48.0727, 35.4697,  
4.3126

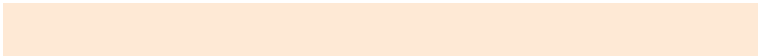
# Harmonies

## Analogous

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



84.9587, 84.1528, 79.5912



82.0222, 84.1528, 74.8709



78.6177, 84.1528, 74.4387

# Triad

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



82.0222, 84.1528, 74.8709



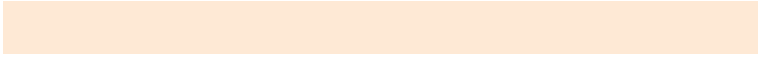
73.7329, 84.1528, 95.6222



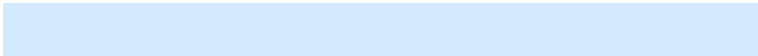
84.4677, 84.1528, 106.3087

# Complementary

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



82.0222, 84.1528, 74.8709



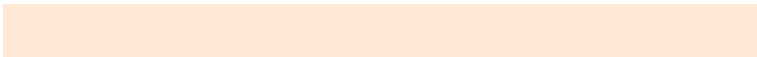
74.7523, 80.1457, 105.2963

# Split Complementary

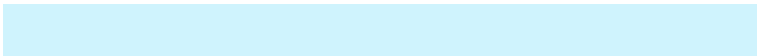
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3674, 84.1528, 111.2788



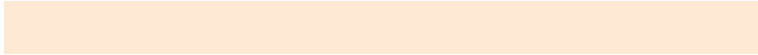
82.0222, 84.1528, 74.8709



75.2087, 84.1528, 104.8213

# Square

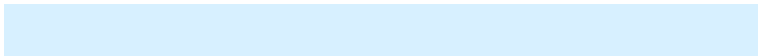
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0222, 84.1528, 74.8709



73.8969, 84.1528, 85.9627



77.9812, 84.1528, 110.7158

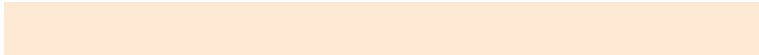


86.3980, 84.1528, 97.5371



# Rectangle

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



82.0222, 84.1528, 74.8709



76.5467, 84.1528, 76.5975



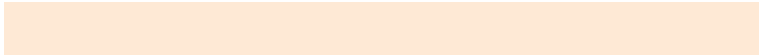
77.9812, 84.1528, 110.7158



83.5241, 84.1528, 108.5066

# Sweetspot

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



82.0245, 84.1566, 74.8727



91.0170, 95.1107, 97.7625



79.5458, 74.6115, 88.1899



19.3636, 20.2139, 20.6027



0.0000, 0.0000, 0.0000

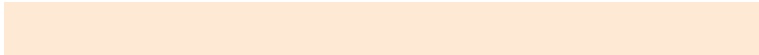


20.3446, 21.4041, 23.3091

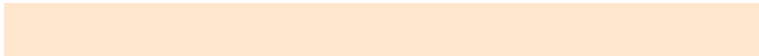


# Same Dimension

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



82.0245, 84.1566, 74.8727



80.7973, 82.4425, 70.3980



88.1093, 96.3263, 76.9010



18.7411, 19.4503, 18.9109



25.4910, 18.9931, 2.3225

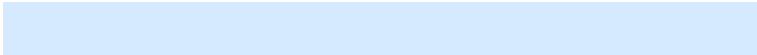


2.5909, 2.0671, 0.2624

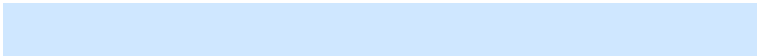


# Inverse Universe

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



74.7523, 80.1457, 105.2963



72.3333, 77.7742, 105.8073



69.2976, 69.2361, 103.4780



17.7722, 18.9159, 22.9644



13.7930, 12.4956, 51.1195

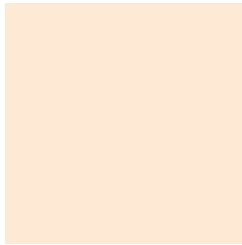


1.4524, 1.4354, 5.0138



# Previews

## White Background



This preview shows how the XYZ color 82.0222, 84.1528, 74.8709 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 82.0222, 84.1528, 74.8709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

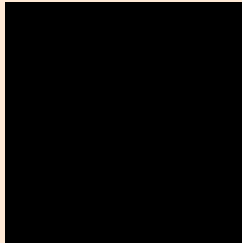
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.0222, 84.1528, 74.8709**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.0222, 84.1528, 74.8709.



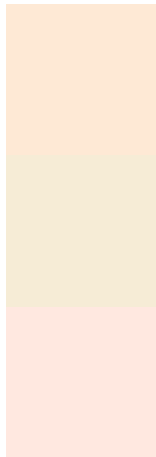
This preview shows how white text looks on a background with the XYZ color 82.0222, 84.1528,

74.8709.

# 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

82.0222, 84.1528, 74.8709

### Protanopia

80.1391, 84.4388, 75.6929

### Deuteranopia

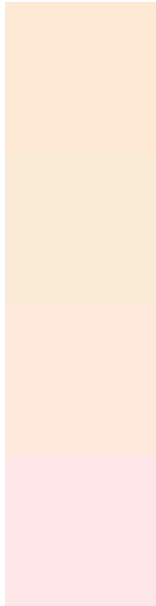
83.5512, 84.3550, 82.3995



## Tritanopia

86.0182, 84.4462, 98.1523

# Trichromacy



## Original Color

82.0222, 84.1528, 74.8709

## Protanomaly

80.9129, 84.4114, 75.6468

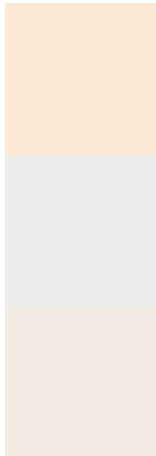
## Deuteranomaly

83.0149, 84.1405, 79.5755

## Tritanomaly

84.5239, 84.2950, 88.9065

# Monochromacy



## Original Color

82.0222, 84.1528, 74.8709

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.9612, 84.6470, 85.4702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0222, 84.1528, 74.8709 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(254, 233, 213) looks like.

```
.text, #text, p{  
    color:rgb(254, 233, 213)  
}
```

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(254, 233, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 233, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0222, 84.1528, 74.8709 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(254, 233, 213) }
```



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

```
.border{ border-color:rgb(254, 233, 213) }
```

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

Here you see how a box with a 4 pixel rgb(254, 233, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 233, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 233, 213);  
box-shadow:4px 4px 4px 4px rgb(254, 233,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0222, 84.1528, 74.8709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 233, 213) }
```

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

```
.background{ background-color: rgb(254,  
233, 213) }
```

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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