

# Converting Colors

XYZ(113.8578, 100.0000,  
77.8787)

Have a look what the booklet for  
XYZ(113.8578, 100.0000, 77.8787)  
contains.

|  |    |
|--|----|
| <b>XYZ(82.3624, 83.8795, 76.1394)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(82.3624, 83.8795,  
76.1394)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFE8D7                     |
| RGB         | 255, 232, 215              |
| RGB Percent | 100%, 91%, 84%             |
| CMY         | 0.0000, 0.0902, 0.1569     |
| CMYK        | 0.00, 0.09, 0.16, 0.00     |
| HSL         | 26°, 100%, 92%             |
| HSV         | 26°, 16%, 100%             |
| XYZ         | 82.3624, 83.8795, 76.1394  |
| YIQ         | 236.9390, 19.1650, -0.4110 |

# Conversions

## Conversions Part 2

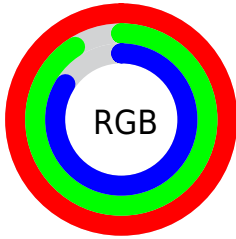
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| RYB                                 | 255, 245, 215                  |
| Decimal                             | 16771287                       |
| CIELab                              | 93.40, 5.14, 11.10             |
| CIELCh                              | 93, 12.232, 65.134             |
| Yxy                                 | 83.8795, 0.3398,<br>0.3461     |
| Android<br>(android.graphics.Color) | 4294961367<br>(0xFFFFE8D7)     |
| YUV                                 | 236.9390, -10.8159,<br>15.8395 |
| Hunter-Lab                          | 91.5858, 0.2487,<br>14.8196    |

# Details

The XYZ color **82.3624, 83.8795, 76.1394** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6481, 82.8139, 106.5526**, and the grayscale version is **80.5213, 84.7147, 92.2543**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1592, 45.5945, 39.6782** is the 20% darker color. If you saturate the color by 10%, you get **75.3822, 74.7607, 58.8874**, and if you desaturate by 10%, it is **90.2014, 93.8982, 96.1995**.

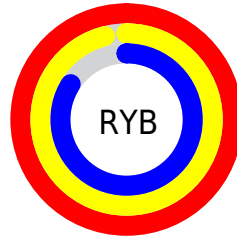
# Distribution



Red (100%)

Green (91%)

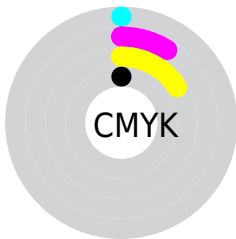
Blue (84%)



Red (100%)

Yellow (96%)

Blue (84%)

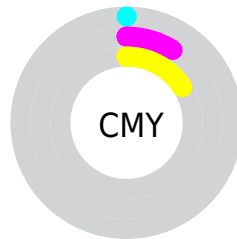


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3624, 83.8795, 76.1394 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 82.3624, 83.8795, 76.1394 by changing the saturation by 10% instead.




 82.3624, 83.8795,  
76.1394

 82.3624, 83.8795,  
76.1394

491.4752,  
507.9130, 501.1843

 61.9794, 62.9160,  
56.0395


135.6153,  
138.8066, 129.6858

 45.2716, 45.7732,  
39.8304


169.2159,  
173.5389, 163.9694

 31.8736, 32.0669,  
27.0935


207.9531,  
213.6297, 203.8180

 21.4201, 21.4126,  
17.4104

252.1922,  
259.4632, 249.6501

 13.5456, 13.4259,  
10.3625

302.2986,  
311.4239, 301.8842

 7.8849, 7.7225,  
5.5312

358.6377,

 4.0726, 3.9179,

369.8962, 360.9389

2.4981

421.5748,  
435.2644, 427.2328

■ 1.7433, 1.6277,  
0.8391

■ 0.4831, 0.3762,  
0.0000

■ 82.3624, 83.8795,  
76.1394

■ 82.3624, 83.8795,  
76.1394

■ 75.3822, 74.7607,  
58.8874

■ 90.2014, 93.8982,  
96.1995

■ 69.2232, 66.5048,  
44.3111

95.0500, 100.0000,  
108.9000

■ 63.8531, 59.0881,  
32.2754

■ 59.2352, 52.4812,  
22.6312

■ 55.3292, 46.6529,  
15.2134

■ 52.0905, 41.5696,  
9.8360

■ 49.4680, 37.1942,  
6.2815

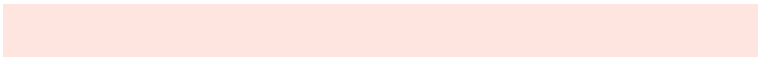
■ 47.4006, 33.4846,  
4.2815

■ 46.6456, 32.0712,  
3.7319

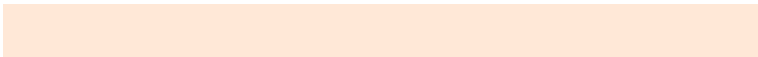
# Harmonies

## Analogous

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



84.9072, 83.8795, 81.4820



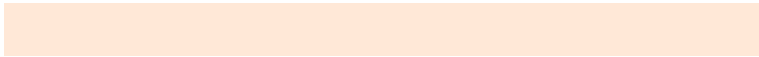
82.3624, 83.8795, 76.1394



79.1711, 83.8795, 74.7519

# Triad

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



82.3624, 83.8795, 76.1394



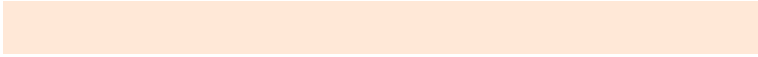
73.7039, 83.8795, 92.9296



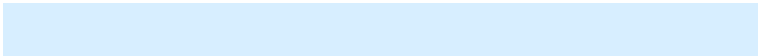
83.3489, 83.8795, 106.6460

# Complementary

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



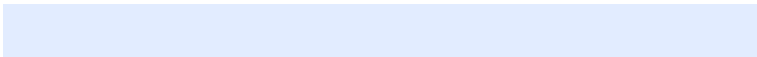
82.3624, 83.8795, 76.1394



76.6481, 82.8139, 106.5526

# 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.



80.2814, 83.8795, 110.1952



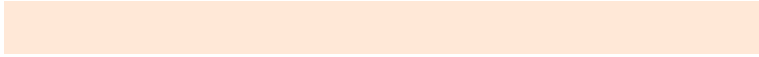
82.3624, 83.8795, 76.1394



74.7580, 83.8795, 101.9423

# Square

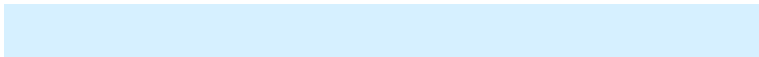
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3624, 83.8795, 76.1394



74.2274, 83.8795, 84.0607



77.1444, 83.8795, 108.4187



85.4875, 83.8795, 99.0078



# Rectangle

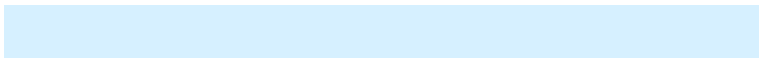
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3624, 83.8795, 76.1394



77.1188, 83.8795, 76.1704



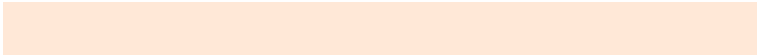
77.1444, 83.8795, 108.4187



82.3892, 83.8795, 108.3794

# Sweetspot

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



82.3643, 83.8830, 76.1412



90.7707, 94.6181, 97.6804



81.0227, 76.0545, 91.5561



19.3038, 20.0942, 20.5828



0.0000, 0.0000, 0.0000

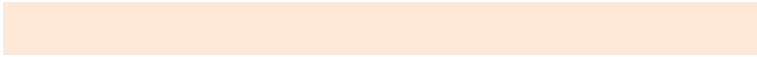


20.3446, 21.4041, 23.3091

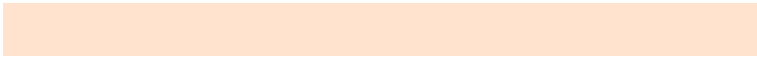


# Same Dimension

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



82.3643, 83.8830, 76.1412



79.9569, 80.7618, 70.1179



88.2118, 95.5781, 78.0903



18.6442, 19.2565, 18.8786



24.5140, 17.0392, 1.9969

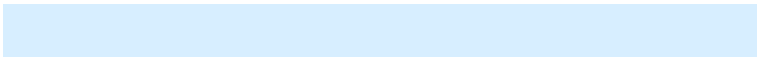


2.4924, 1.8702, 0.2296

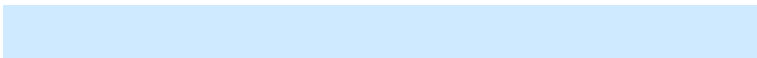


# Inverse Universe

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



76.6481, 82.8139, 106.5526



73.1941, 79.4958, 106.0942



71.2332, 71.9841, 104.7477



17.8702, 19.1119, 22.9971



15.0015, 14.9125, 51.5223

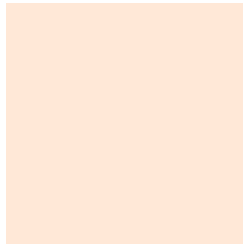


1.5690, 1.6687, 5.0527



# Previews

## White Background



This preview shows how the XYZ color 82.3624, 83.8795, 76.1394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

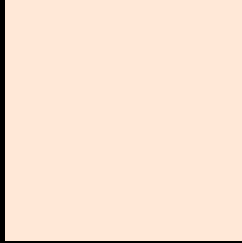
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3624, 83.8795, 76.1394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

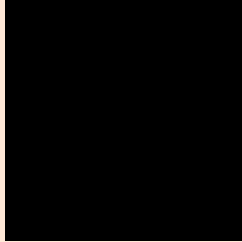
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.3624, 83.8795, 76.1394

## Background



This preview shows how black text looks on a background with the XYZ color 82.3624, 83.8795, 76.1394.



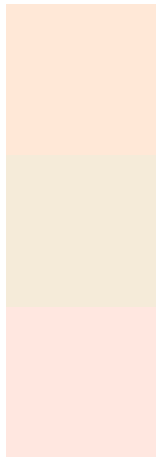
This preview shows how white text looks on a background with the XYZ color 82.3624, 83.8795,

76.1394.

# 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

82.3624, 83.8795, 76.1394

### Protanopia

79.8889, 83.8389, 77.6176

### Deuteranopia

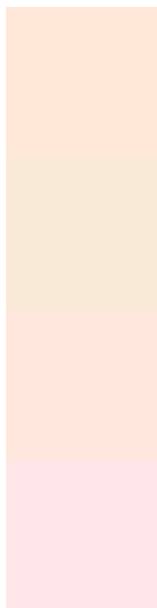
83.2705, 83.7936, 82.3060



## Tritanopia

85.5884, 83.8303, 97.2578

# Trichromacy



## Original Color

82.3624, 83.8795, 76.1394

## Protanomaly

80.8844, 83.9432, 76.9053

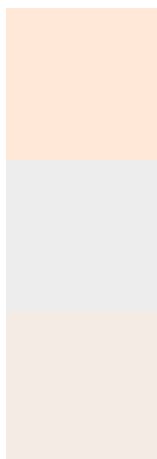
## Deuteranomaly

82.8671, 83.6323, 80.1817

## Tritanomaly

84.2448, 83.7368, 88.8134

# Monochromacy



## Original Color

82.3624, 83.8795, 76.1394

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.1594, 84.3069, 86.1240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3624, 83.8795, 76.1394 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, 232, 215) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 215)  
}
```

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, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3624, 83.8795, 76.1394 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, 232, 215) }
```



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

```
.border{ border-color:rgb(255, 232, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3624, 83.8795, 76.1394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 215) }
```

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

```
.background{ background-color: rgb(255,  
232, 215) }
```

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