

# Converting Colors

XYZ(82.6616, 83.7452, 78.4982)

Have a look what the booklet for  
XYZ(82.6616, 83.7452, 78.4982)  
contains.

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# Color

**XYZ(82.6021, 83.5263,  
78.7864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7DB
RGB	255, 231, 219
RGB Percent	100%, 91%, 86%
CMY	0.0000, 0.0941, 0.1412
CMYK	0.00, 0.09, 0.14, 0.00
HSL	20°, 100%, 93%
HSV	20°, 14%, 100%
XYZ	82.6021, 83.5263, 78.7864
YIQ	236.8080, 18.1560, 1.3560

# Conversions

## Conversions Part 2

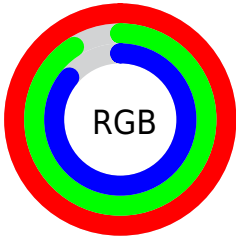
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 237, 219
Decimal	16771035
CIE Lab	93.24, 6.27, 8.80
CIE LCh	93, 10.803, 54.534
Yxy	83.5263, 0.3373, 0.3410
Android (android.graphics.Color)	4294961115 (0xFFFFE7DB)
YUV	236.8080, -8.7793, 15.9544
Hunter-Lab	91.3927, 1.3937, 12.8631

# Details

The XYZ color **82.6021, 83.5263, 78.7864** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3132, 86.3788, 107.1003**, and the grayscale version is **80.4059, 84.5933, 92.1221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3195, 45.3460, 41.4860** is the 20% darker color. If you saturate the color by 10%, you get **74.9707, 73.2307, 60.9296**, and if you desaturate by 10%, it is **91.2136, 94.9586, 99.5092**.

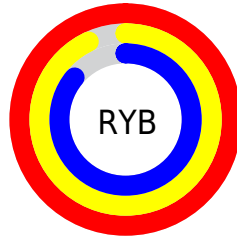
# Distribution



Red (100%)

Green (91%)

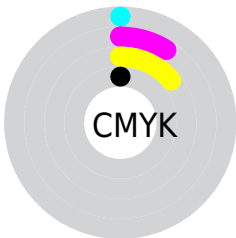
Blue (86%)



Red (100%)

Yellow (93%)

Blue (86%)

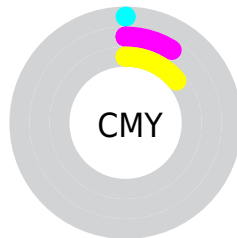


Cyan (0%)

Magenta (9%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6021, 83.5263, 78.7864 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 82.6021, 83.5263, 78.7864 by changing the saturation by 10% instead.




 82.6021, 83.5263,  
78.7864

 82.6021, 83.5263,  
78.7864

492.2635,  
506.7389, 510.4320

 62.1778, 62.6244,  
58.1999


135.9495,  
138.3123, 133.4540

 45.4325, 45.5374,  
41.5536


169.6032,  
172.9653, 168.3723

 32.0009, 31.8810,  
28.4290


208.3974,  
212.9707, 208.9049

 21.5178, 21.2706,  
18.4074

252.6975,  
258.7130, 255.4704

 13.6176, 13.3219,  
11.0704

302.8688,  
310.5766, 308.4873

 7.9351, 7.6506,  
5.9995

359.2766,

 4.1049, 3.8722,

368.9458, 368.3742

2.7760

422.2864,  
434.2051, 435.5495

■ 1.7617, 1.6023,  
0.9814

■ 0.4944, 0.3592,  
0.0000

■ 82.6021, 83.5263,  
78.7864

■ 82.6021, 83.5263,  
78.7864

■ 74.9707, 73.2307,  
60.9296

■ 91.2136, 94.9586,  
99.5092

■ 68.2773, 64.0258,  
45.8062

95.0500, 100.0000,  
108.9000

■ 62.4849, 55.8774,  
33.2812

■ 57.5518, 48.7460,  
23.2058

■ 53.4326, 42.5892,  
15.4157

■ 50.0773, 37.3612,  
9.7266

■ 47.4292, 33.0119,  
5.9246

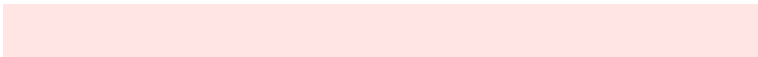
■ 45.4216, 29.4852,  
3.7492

■ 44.4913, 27.7626,  
3.0138

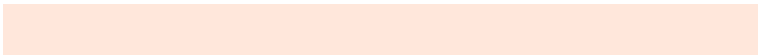
# Harmonies

## Analogous

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



84.4646, 83.5263, 84.6014



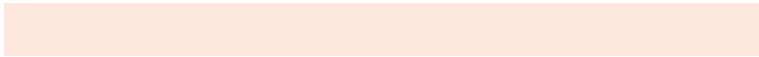
82.6021, 83.5263, 78.7864



79.9109, 83.5263, 76.2404

# Triad

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



82.6021, 83.5263, 78.7864



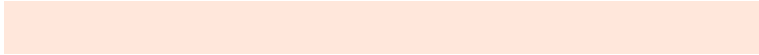
74.0731, 83.5263, 89.4634



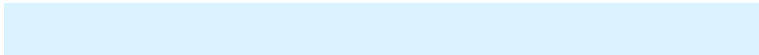
81.6799, 83.5263, 105.9380

# Complementary

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



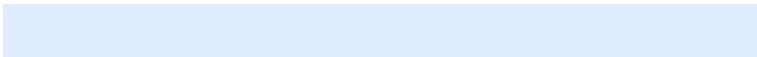
82.6021, 83.5263, 78.7864



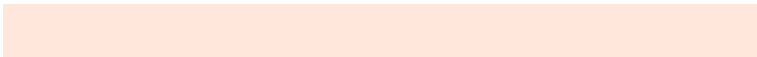
79.3132, 86.3788, 107.1003

# 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.



78.8699, 83.5263, 107.4304



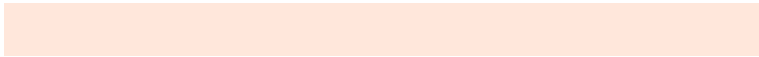
82.6021, 83.5263, 78.7864



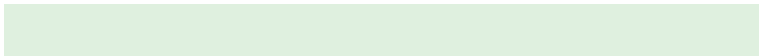
74.5214, 83.5263, 97.6000

# Square

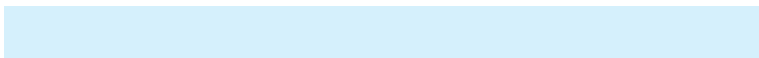
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6021, 83.5263, 78.7864



75.0215, 83.5263, 82.1648



76.2608, 83.5263, 104.2963

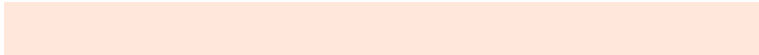


83.9233, 83.5263, 100.3314



# Rectangle

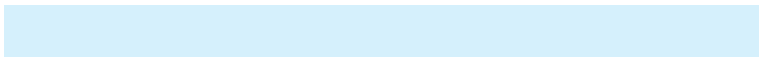
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6021, 83.5263, 78.7864



78.0258, 83.5263, 76.6230



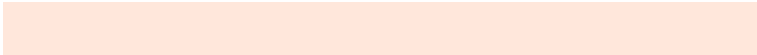
76.2608, 83.5263, 104.2963



80.7684, 83.5263, 106.9510

# Sweetspot

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



82.6040, 83.5298, 78.7882



91.3203, 95.0991, 99.7691



82.7497, 78.3950, 95.5648



19.4000, 20.1623, 20.9986



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

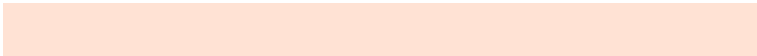


# Same Dimension

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



82.6040, 83.5298, 78.7882



80.3048, 80.4462, 73.3513



87.9022, 94.1261, 80.5542



18.5042, 18.9766, 18.8319



23.3696, 14.7505, 1.6154

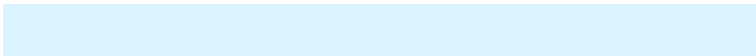


2.3711, 1.6275, 0.1892

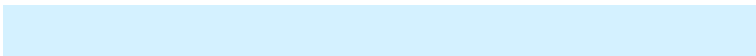


# Inverse Universe

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



79.3132, 86.3788, 107.1003



76.4210, 83.8060, 106.7561



74.1895, 76.1315, 105.3924



18.0146, 19.4009, 23.0452



17.0821, 19.0739, 52.2159

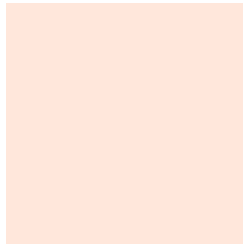


1.7638, 2.0583, 5.1176



# Previews

## White Background



This preview shows how the XYZ color 82.6021, 83.5263, 78.7864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

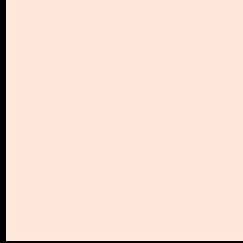
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6021, 83.5263, 78.7864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

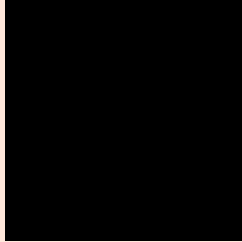
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.6021, 83.5263, 78.7864

## Background



This preview shows how black text looks on a background with the XYZ color 82.6021, 83.5263, 78.7864.



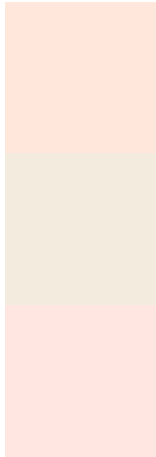
This preview shows how white text looks on a background with the XYZ color 82.6021, 83.5263,

78.7864.

# 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

82.6021, 83.5263, 78.7864

### Protanopia

79.7216, 83.6918, 80.3590

### Deuteranopia

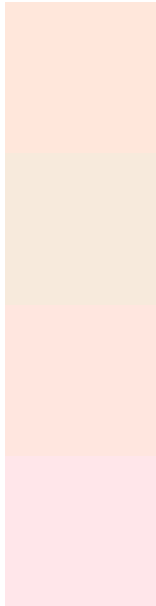
83.1274, 83.2899, 82.9294



## Tritanopia

85.4370, 83.7697, 96.4602

# Trichromacy



## Original Color

82.6021, 83.5263, 78.7864

## Protanomaly

80.6989, 83.7871, 79.6294

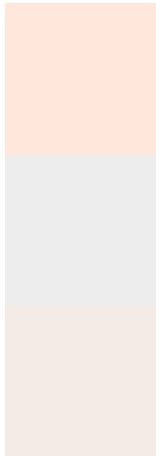
## Deuteranomaly

82.8561, 83.1813, 81.5007

## Tritanomaly

84.3881, 83.7941, 89.5681

# Monochromacy



## Original Color

82.6021, 83.5263, 78.7864

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.2995, 84.3629, 86.8616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6021, 83.5263, 78.7864 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6021, 83.5263, 78.7864 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, 219) }
```



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

```
.border{ border-color:rgb(255, 231, 219) }
```

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, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6021, 83.5263, 78.7864 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
231, 219) }
```

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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