

# Converting Colors

XYZ(82.7584, 82.6825, 82.4033)

Have a look what the booklet for  
XYZ(82.7584, 82.6825, 82.4033)  
contains.

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# Color

**XYZ(82.7139, 82.6804,  
82.1204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5E0
RGB	255, 229, 224
RGB Percent	100%, 90%, 88%
CMY	0.0000, 0.1019, 0.1216
CMYK	0.00, 0.10, 0.12, 0.00
HSL	10°, 100%, 94%
HSV	10°, 12%, 100%
XYZ	82.7139, 82.6804, 82.1204
YIQ	236.2040, 17.1010, 3.9570

# Conversions

## Conversions Part 2

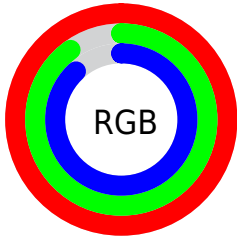
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 230, 224
Decimal	16770528
CIE <sub>Lab</sub>	92.87, 8.08, 5.66
CIE <sub>LCh</sub>	93, 9.866, 35.031
Yxy	82.6804, 0.3342, 0.3340
Android (android.graphics.Color)	4294960608 (0xFFFFE5E0)
YUV	236.2040, -6.0166, 16.4841
Hunter-Lab	90.9288, 3.2483, 10.1036

# Details

The XYZ color **82.7139, 82.6804, 82.1204** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.9752, 91.4361, 107.8834**, and the grayscale version is **79.9221, 84.0843, 91.5678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5862, 45.1424, 43.8468** is the 20% darker color. If you saturate the color by 10%, you get **73.9550, 70.2884, 63.3991**, and if you desaturate by 10%, it is **92.7239, 96.7443, 103.8197**.

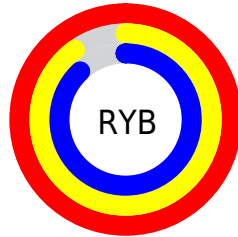
# Distribution



Red (100%)

Green (90%)

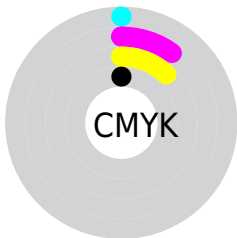
Blue (88%)



Red (100%)

Yellow (90%)

Blue (88%)

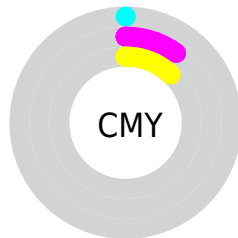


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7139, 82.6804, 82.1204 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 82.7139, 82.6804, 82.1204 by changing the saturation by 10% instead.




 82.7139, 82.6804,  
82.1204

 82.7139, 82.6804,  
82.1204


492.6309,  
503.9208, 521.9444

 62.2703, 61.9265,  
60.9284


136.1053,  
137.1277, 138.1810

 45.5075, 44.9733,  
43.7372


169.7838,  
171.5900, 173.8867

 32.0604, 31.4364,  
30.1283

208.6046,  
211.3905, 215.2674

 21.5634, 20.9314,  
19.6831

252.9330,  
256.9137, 262.7416

 13.6512, 13.0739,  
11.9831

303.1346,  
308.5439, 316.7278

 7.9586, 7.4794,  
6.6098

359.5745,

 4.1200, 3.7637,

366.6656, 377.6447

3.1446

422.6181,  
431.6630, 445.9107

■ 1.7703, 1.5423,  
1.1689

■ 0.4997, 0.3182,  
0.0000

■ 82.7139, 82.6804,  
82.1204

■ 82.7139, 82.6804,  
82.1204

■ 73.9550, 70.2884,  
63.3991

■ 92.7239, 96.7443,  
103.8197

■ 66.3924, 59.4959,  
47.5206

95.0500, 100.0000,  
108.9000

■ 59.9751, 50.2407,  
34.3470

■ 54.6465, 42.4524,  
23.7268

■ 50.3450, 36.0548,  
15.4936

■ 47.0026, 30.9654,  
9.4611

■ 44.5427, 27.0920,  
5.4152

■ 42.8763, 24.3305,  
3.0983

■ 42.0387, 22.8575,  
2.1962

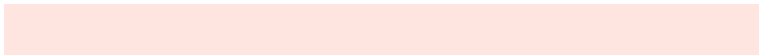
# Harmonies

## Analogous

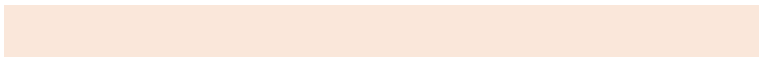
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6265, 82.6804, 88.7859



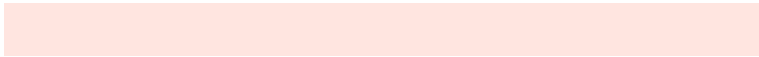
82.7139, 82.6804, 82.1204



80.6960, 82.6804, 77.7605

# Triad

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



82.7139, 82.6804, 82.1204



74.1773, 82.6804, 84.1650



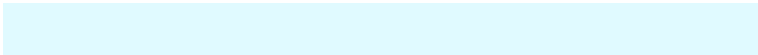
79.0207, 82.6804, 104.9178

# Complementary

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



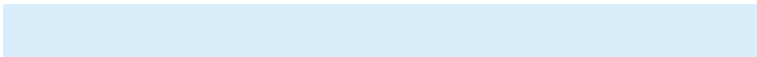
82.7139, 82.6804, 82.1204



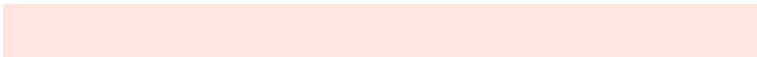
82.9752, 91.4361, 107.8834

# Split Complementary

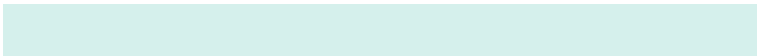
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5116, 82.6804, 103.5154



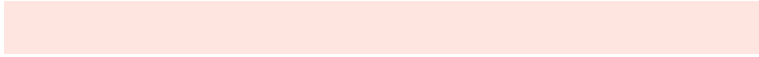
82.7139, 82.6804, 82.1204



73.7507, 82.6804, 91.2754

# Square

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



82.7139, 82.6804, 82.1204



75.7744, 82.6804, 78.8950



74.5963, 82.6804, 98.4210

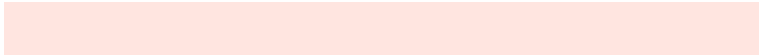


81.4647, 82.6804, 102.1552



# Rectangle

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



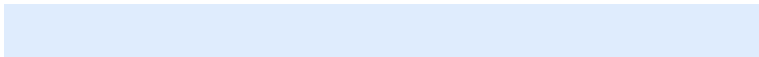
82.7139, 82.6804, 82.1204



79.0153, 82.6804, 76.6114



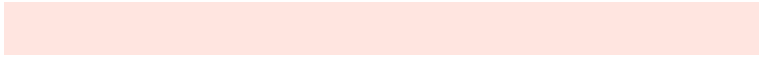
74.5963, 82.6804, 98.4210



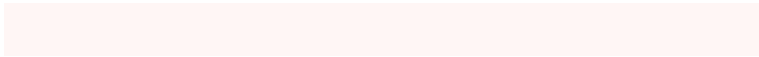
78.1567, 82.6804, 104.9193

# Sweetspot

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



82.7157, 82.6838, 82.1221



90.7827, 94.0240, 99.5899



85.2064, 81.4963, 101.9702



19.2644, 19.8910, 20.9534



0.0000, 0.0000, 0.0000

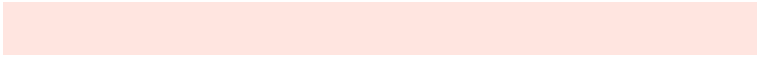


20.3446, 21.4041, 23.3091

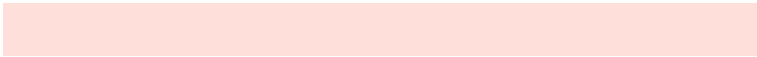


# Same Dimension

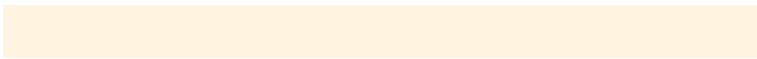
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7157, 82.6838, 82.1221



80.0995, 78.9921, 76.5006



87.0908, 91.4339, 83.5805



18.2462, 18.4605, 18.7459



22.0355, 12.0823, 1.1707

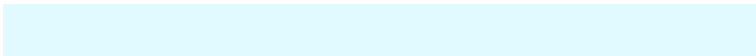


2.2098, 1.3050, 0.1354



# Inverse Universe

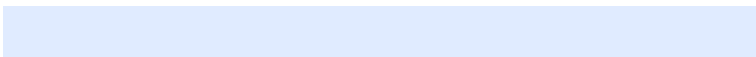
The Inverse Universe completely reimagines the original color for something new.



82.9752, 91.4361, 107.8834



80.4126, 89.5766, 107.6596



78.4567, 82.3989, 106.3772



18.2905, 19.9526, 23.1372



22.0674, 29.0443, 53.8776

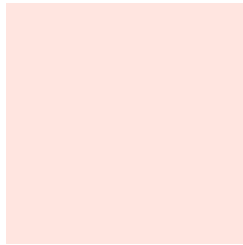


2.2124, 2.9555, 5.2671



# Previews

## White Background



This preview shows how the XYZ color 82.7139, 82.6804, 82.1204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

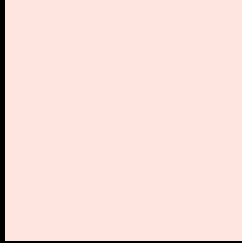
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7139, 82.6804, 82.1204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

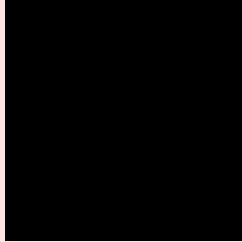
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

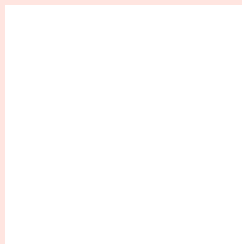
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.7139, 82.6804, 82.1204

## Background



This preview shows how black text looks on a background with the XYZ color 82.7139, 82.6804, 82.1204.



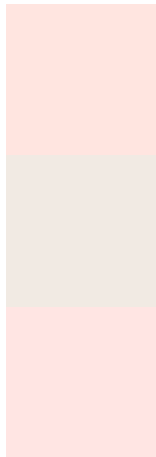
This preview shows how white text looks on a background with the XYZ color 82.7139, 82.6804,



# 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

82.7139, 82.6804, 82.1204

### Protanopia

79.5636, 83.0925, 84.5180

### Deuteranopia

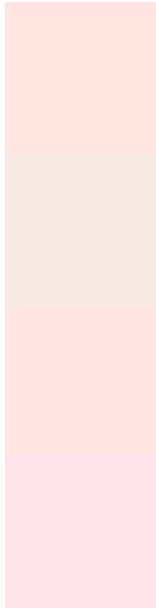
83.1244, 82.8447, 84.2825



## Tritanopia

84.8867, 82.6692, 96.2768

# Trichromacy



## Original Color

82.7139, 82.6804, 82.1204

## Protanomaly

80.5901, 82.7970, 83.6854

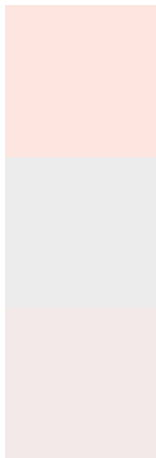
## Deuteranomaly

82.9868, 82.7896, 83.5576

## Tritanomaly

84.1237, 82.8029, 90.9056

# Monochromacy



## Original Color

82.7139, 82.6804, 82.1204

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.6665, 83.1587, 88.1436

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7139, 82.6804, 82.1204 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, 229, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 224)  
}
```

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, 229, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7139, 82.6804, 82.1204 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, 229, 224) }
```



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

```
.border{ border-color:rgb(255, 229, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7139, 82.6804, 82.1204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 224) }
```

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

```
.background{ background-color: rgb(255,  
229, 224) }
```

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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