

# Converting Colors

XYZ(98.2258, 87.6223, 44.4218)

Have a look what the booklet for  
XYZ(98.2258, 87.6223, 44.4218)  
contains.

<b>XYZ(72.8295, 74.4262, 43.3281)</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(72.8295, 74.4262,  
43.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDB9F
RGB	255, 219, 159
RGB Percent	100%, 86%, 62%
CMY	0.0000, 0.1412, 0.3765
CMYK	0.00, 0.14, 0.38, 0.00
HSL	38°, 100%, 81%
HSV	38°, 38%, 100%
XYZ	72.8295, 74.4262, 43.3281
YIQ	222.9240, 40.7160, -11.0280

# Conversions

## Conversions Part 2

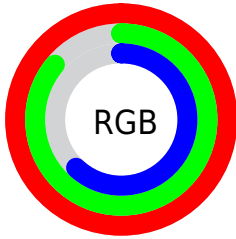
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 255, 159
Decimal	16767903
CIE <sub>Lab</sub>	89.12, 4.42, 34.14
CIE <sub>LCh</sub>	89, 34.425, 82.626
Yxy	74.4262, 0.3821, 0.3905
Android (android.graphics.Color)	4294957983 (0xFFFFDB9F)
YUV	222.9240, -31.5145, 28.1307
Hunter-Lab	86.2706, -0.2842, 30.6119

# Details

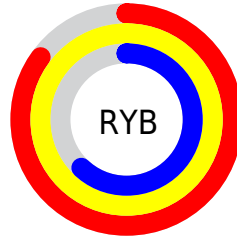
The XYZ color **72.8295, 74.4262, 43.3281** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.8626, 53.6194, 102.2238**, and the grayscale version is **70.2834, 73.9436, 80.5245**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **38.9553, 39.4828, 19.4777** is the 20% darker color. If you saturate the color by 10%, you get **68.4183, 68.7872, 32.0439**, and if you desaturate by 10%, it is **77.8442, 80.5413, 57.0671**.

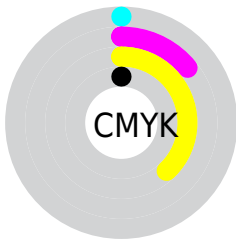
# Distribution



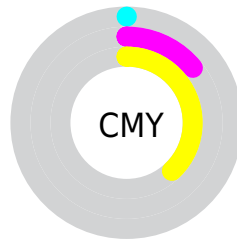
- Red (100%)
- Green (86%)
- Blue (62%)



- Red (85%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (14%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8295, 74.4262, 43.3281 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 72.8295, 74.4262, 43.3281 by changing the saturation by 10% instead.





 72.8295, 74.4262,  
43.3281


 72.8295, 74.4262,  
43.3281

459.5366,  
475.9430, 375.9201

 54.1244, 55.1429,  
29.8093


 122.2396,  
125.4998, 81.4974

 38.9322, 39.5162,  
19.4431


 153.6753,  
158.0589, 106.9850

 26.8875, 27.1615,  
11.8108


190.0853,  
195.8121, 137.2993

 17.6249, 17.6946,  
6.4940

231.8349,  
239.1438, 172.8589

 10.7791, 10.7309,  
3.0741

279.2895,  
288.4383, 214.0822

 5.9847, 5.8862,  
1.1326

332.8144,

 2.8763, 2.7760,

344.0801, 261.3878

0.0000

392.7750,  
406.4535, 315.1943

■ 1.0887, 1.0159,  
0.0000

■ 0.0156, 0.0000,  
0.0000

■ 72.8295, 74.4262,  
43.3281

■ 72.8295, 74.4262,  
43.3281

■ 68.4183, 68.7872,  
32.0439

■ 77.8442, 80.5413,  
57.0671

■ 64.5744, 63.5978,  
23.0601

■ 83.4850, 87.1371,  
73.3932

■ 61.2657, 58.8441,  
16.2122

■ 89.7800, 94.2312,  
92.4347

■ 58.4542, 54.5066,  
11.3112

95.0500, 100.0000,  
108.9000

■ 56.0950, 50.5636,  
8.1345

■ 54.1299, 46.9873,  
6.3889

■ 53.7053, 46.1906,  
6.0851

# Harmonies

## Analogous

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



80.9852, 74.4262, 49.6024



72.8295, 74.4262, 43.3281



64.7166, 74.4262, 45.4514

# Triad

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



72.8295, 74.4262, 43.3281



56.8768, 74.4262, 100.1314



84.3419, 74.4262, 112.4227

# Complementary

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



72.8295, 74.4262, 43.3281



51.8626, 53.6194, 102.2238

# 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.



77.1257, 74.4262, 131.5682



72.8295, 74.4262, 43.3281



61.3972, 74.4262, 123.5501

# Square

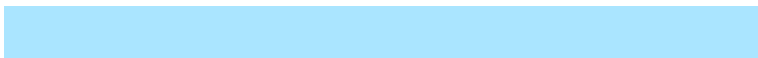
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8295, 74.4262, 43.3281



55.9246, 74.4262, 75.2542



68.6906, 74.4262, 135.9986



87.9647, 74.4262, 87.1097

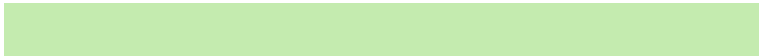


# Rectangle

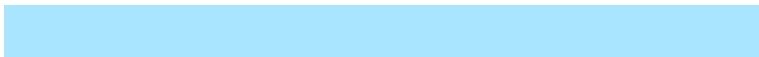
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8295, 74.4262, 43.3281



60.3733, 74.4262, 51.5889



68.6906, 74.4262, 135.9986



82.2300, 74.4262, 119.9825

# Sweetspot

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



72.8314, 74.4297, 43.3296



87.5944, 91.7957, 85.7385



63.5797, 50.0335, 58.4125



18.5643, 19.4408, 17.7913



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.



72.8314, 74.4297, 43.3296



69.5295, 70.2356, 34.7999



79.2571, 93.2206, 46.6180



18.9554, 19.8790, 18.9823



28.2104, 24.4320, 3.2290



2.8518, 2.5889, 0.3494



# Inverse Universe

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



51.8626, 53.6194, 102.2238



45.8976, 46.7975, 101.2215



47.0698, 40.5856, 99.9606



17.5610, 18.4936, 22.8940



11.7300, 8.3696, 50.4318



1.2429, 1.0166, 4.9440



# Previews

## White Background



This preview shows how the XYZ color 72.8295, 74.4262, 43.3281 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 72.8295, 74.4262, 43.3281 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 72.8295, 74.4262, 43.3281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8295, 74.4262, 43.3281.



This preview shows how white text looks on a background with the XYZ color 72.8295, 74.4262,



# 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

72.8295, 74.4262, 43.3281

### Protanopia

69.3643, 74.5853, 44.4587

### Deuteranopia

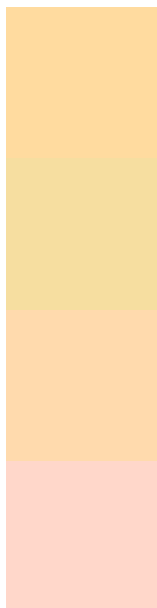
74.3933, 74.2219, 54.1214



## Tritanopia

78.7617, 74.3395, 82.1493

# Trichromacy



## Original Color

72.8295, 74.4262, 43.3281

## Protanomaly

70.4725, 74.3734, 43.8989

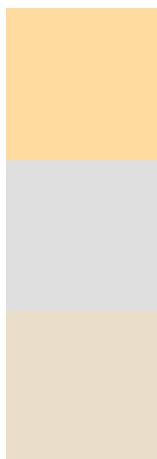
## Deuteranomaly

73.8542, 74.4199, 50.0071

## Tritanomaly

76.2011, 74.1251, 66.1685

# Monochromacy



## Original Color

72.8295, 74.4262, 43.3281

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.8076, 74.0749, 65.2095

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8295, 74.4262, 43.3281 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, 219, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 159)  
}
```

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, 219, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8295, 74.4262, 43.3281 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, 219, 159) }
```



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

```
.border{ border-color:rgb(255, 219, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8295, 74.4262, 43.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 159) }
```

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

```
.background{ background-color: rgb(255,  
219, 159) }
```

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