

# Converting Colors

XYZ(42.2964, 32.8299, 27.3001)

Have a look what the booklet for  
XYZ(42.2964, 32.8299, 27.3001)  
contains.

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# Color

**XYZ(42.2873, 32.7455,  
27.3843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE8088
RGB	222, 128, 136
RGB Percent	87%, 50%, 53%
CMY	0.1294, 0.4980, 0.4667
CMYK	0.00, 0.42, 0.39, 0.13
HSL	355°, 59%, 69%
HSV	355°, 42%, 87%
XYZ	42.2873, 32.7455, 27.3843
YIQ	157.0180, 53.4560, 22.4160

# Conversions

## Conversions Part 2

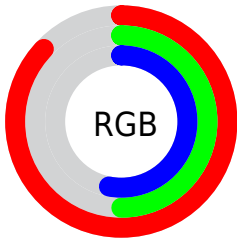
Format	Color
R <sub>Y</sub> B	222, 128, 136
Decimal	14581896
CIE Lab	63.95, 37.07, 11.61
CIE LCh	64, 38.849, 17.386
Yxy	32.7455, 0.4129, 0.3197
Android (android.graphics.Color)	4292771976 (0xFFDE8088)
YUV	157.0180, -10.3619, 56.9892
Hunter-Lab	57.2237, 31.7669, 11.6834

# Details

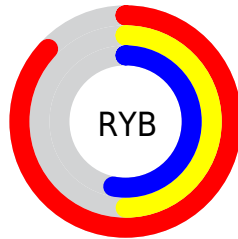
The XYZ color **42.2873, 32.7455, 27.3843** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **47.1625, 61.6875, 73.0429**, and the grayscale version is **32.0851, 33.7560, 36.7603**.

A 20% lighter version of the original color is **67.1533, 58.3900, 55.8752**, and **19.6434, 13.8722, 10.4464** is the 20% darker color. If you saturate the color by 10%, you get **38.3926, 27.0515, 19.6263**, and if you desaturate by 10%, it is **47.0907, 39.8190, 36.7954**.

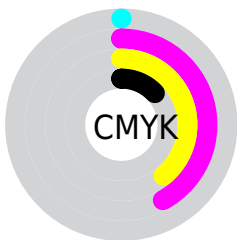
# Distribution



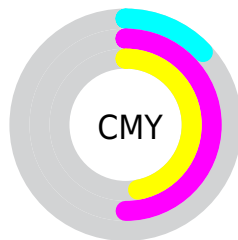
- Red (87%)
- Green (50%)
- Blue (53%)



- Red (87%)
- Yellow (50%)
- Blue (53%)



- Cyan (0%)
- Magenta (42%)
- Yellow (39%)
- Black (13%)




- Cyan (13%)
- Magenta (50%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2873, 32.7455, 27.3843 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 42.2873, 32.7455, 27.3843 by changing the saturation by 10% instead.





 42.2873, 32.7455,  
27.3843


 42.2873, 32.7455,  
27.3843


346.6439,  
314.5014, 303.3319


 29.5184, 21.9316,  
17.6271


 77.8967, 63.9780,  
56.5111

 19.6196, 13.8066,  
10.5159

 101.4679, 85.1653,  
76.7178

 12.2255, 7.9863,  
5.6323


 129.3706,  
110.5792, 101.2448

 6.9707, 4.0862,  
2.5577

161.9702,  
140.6041, 130.5105

 3.4900, 1.7219,  
0.8705

199.6319,  
175.6244, 164.9335

 1.4179, 0.4378,  
0.0000

242.7212,

 0.2689, 0.0000,

216.0244, 204.9324

0.0000

291.6034,  
262.1886, 250.9257

■ 0.0000, 0.0000,  
0.0000

■ 42.2873, 32.7455,  
27.3843

■ 42.2873, 32.7455,  
27.3843

■ 38.3926, 27.0515,  
19.6263

■ 47.0907, 39.8190,  
36.7954

■ 35.3468, 22.6424,  
13.4241

■ 52.8525, 48.3488,  
47.9456

■ 33.0869, 19.4195,  
8.6729

■ 59.6219, 58.4118,  
60.9172

■ 31.5402, 17.2677,  
5.2542

■ 67.4438, 70.0781,  
75.7866

■ 30.6199, 16.0487,  
3.0309

■ 76.3605, 83.4134,  
92.6259

■ 30.2407, 15.5762,  
2.0235

■ 83.9342, 94.2696,  
108.3798

# Harmonies

## Analogous

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



42.5662, 32.7455, 42.6505



42.2873, 32.7455, 27.3843



38.8075, 32.7455, 17.7534

# Triad

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



42.2873, 32.7455, 27.3843



24.0025, 32.7455, 18.8918



28.8812, 32.7455, 73.9017

# Complementary

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



42.2873, 32.7455, 27.3843



47.1625, 61.6875, 73.0429

# 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.



24.5275, 32.7455, 62.7568



42.2873, 32.7455, 27.3843



21.9408, 32.7455, 29.4683

# Square

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



42.2873, 32.7455, 27.3843



28.0833, 32.7455, 13.9307



22.1210, 32.7455, 45.4412



34.3758, 32.7455, 72.8507



# Rectangle

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



42.2873, 32.7455, 27.3843



35.3488, 32.7455, 14.4394



22.1210, 32.7455, 45.4412



27.2493, 32.7455, 71.3469

# Sweetspot

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



42.2882, 32.7471, 27.3849



80.8670, 78.8411, 81.9538



48.2296, 34.8003, 73.2824



16.8466, 16.1873, 16.6581



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.



42.2882, 32.7471, 27.3849



53.0121, 37.6925, 27.7782



47.5851, 44.2168, 26.4509



13.7543, 13.7194, 14.4765



17.9792, 9.2587, 1.2902



1.2628, 0.6484, 0.1769



# Inverse Universe

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



42.2882, 32.7471, 27.3849



53.0121, 37.6925, 27.7782



39.3120, 44.3120, 75.5883



13.7543, 13.7194, 14.4765



17.9792, 9.2587, 1.2902



1.2628, 0.6484, 0.1769



# Previews

## White Background



This preview shows how the XYZ color 42.2873, 32.7455, 27.3843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

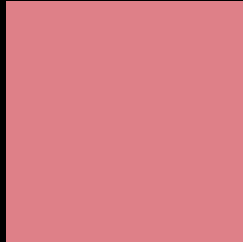
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2873, 32.7455, 27.3843 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 42.2873, 32.7455, 27.3843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2873, 32.7455, 27.3843.



This preview shows how white text looks on a background with the XYZ color 42.2873, 32.7455,



# 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

42.2873, 32.7455, 27.3843

### Protanopia

31.5244, 33.0156, 33.5653

### Deuteranopia

33.6616, 33.0623, 26.4373



## Tritanopia

42.3587, 32.7741, 27.7604

# Trichromacy



## Original Color

42.2873, 32.7455, 27.3843

## Protanomaly

34.5276, 32.2402, 31.1912

## Deuteranomaly

36.4123, 32.6416, 26.5716

## Tritanomaly

42.3587, 32.7741, 27.7604

# Monochromacy



## Original Color

42.2873, 32.7455, 27.3843

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

34.7598, 32.5515, 32.8848

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2873, 32.7455, 27.3843 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(222, 128, 136)` looks like.

```
.text, #text, p{  
    color:rgb(222, 128, 136)  
}
```

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(222, 128, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 128, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2873, 32.7455, 27.3843 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(222, 128, 136) }
```



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

```
.border{ border-color:rgb(222, 128, 136) }
```

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

Here you see how a box with a 4 pixel rgb(222, 128, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 128, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 128, 136);  
box-shadow:4px 4px 4px 4px rgb(222, 128,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2873, 32.7455, 27.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 128, 136) }
```

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

```
.background{ background-color: rgb(222,  
128, 136) }
```

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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