

# Converting Colors

XYZ(38.6157, 32.8017, 27.4152)

Have a look what the booklet for  
XYZ(38.6157, 32.8017, 27.4152)  
contains.

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# Color

**XYZ(38.7093, 32.9337,  
27.6092)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD8A88
RGB	205, 138, 136
RGB Percent	80%, 54%, 53%
CMY	0.1961, 0.4588, 0.4667
CMYK	0.00, 0.33, 0.34, 0.20
HSL	2°, 41%, 67%
HSV	2°, 34%, 80%
XYZ	38.7093, 32.9337, 27.6092
YIQ	157.8050, 40.5740, 13.5820

# Conversions

## Conversions Part 2

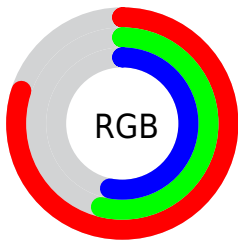
Format	Color
R <sub>Y</sub> B	205, 138, 136
Decimal	13470344
CIE Lab	64.11, 25.33, 11.53
CIE LCh	64, 27.830, 24.469
Yxy	32.9337, 0.3900, 0.3318
Android (android.graphics.Color)	4291660424 (0xFFCD8A88)
YUV	157.8050, -10.7499, 41.3900
Hunter-Lab	57.3879, 19.9731, 11.6472

# Details

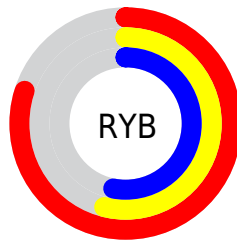
The XYZ color **38.7093, 32.9337, 27.6092** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.5280, 52.3521, 65.6213**, and the grayscale version is **32.4461, 34.1358, 37.1739**.

A 20% lighter version of the original color is **69.2749, 62.6334, 56.5824**, and **17.4823, 13.8778, 10.5614** is the 20% darker color. If you saturate the color by 10%, you get **34.7907, 27.2092, 19.7895**, and if you desaturate by 10%, it is **43.4317, 39.8195, 37.0723**.

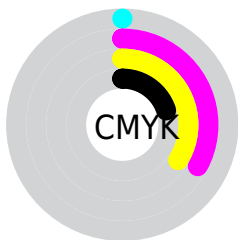
# Distribution



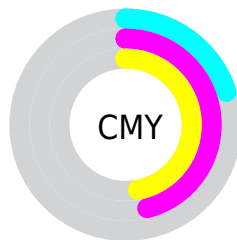
- Red (80%)
- Green (54%)
- Blue (53%)



- Red (80%)
- Yellow (54%)
- Blue (53%)



- Cyan (0%)
- Magenta (33%)
- Yellow (34%)
- Black (20%)




- Cyan (20%)
- Magenta (46%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7093, 32.9337, 27.6092 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 38.7093, 32.9337, 27.6092 by changing the saturation by 10% instead.





 38.7093, 32.9337,  
27.6092


 38.7093, 32.9337,  
27.6092

331.8815,  
315.3509, 304.4477


 26.7134, 22.0757,  
17.7948


 72.4909, 64.2720,  
56.8755

 17.4935, 13.9125,  
10.6349


 95.0073, 85.5211,  
77.1644

 10.6845, 8.0598,  
5.7108


 121.7613,  
111.0026, 101.7820

 5.9208, 4.1333,  
2.6041

153.1181,  
141.1009, 131.1467

 2.8372, 1.7484,  
0.8946

189.4432,  
176.2006, 165.6771

 1.0683, 0.4547,  
0.0000

231.1019,

 0.0000, 0.0000,

216.6858, 205.7917

0.0000

278.4595,  
262.9411, 251.9091

■ 38.7093, 32.9337,  
27.6092

■ 38.7093, 32.9337,  
27.6092

■ 34.7907, 27.2092,  
19.7895

■ 43.4317, 39.8195,  
37.0723

■ 31.6286, 22.5776,  
13.5176

■ 48.9963, 47.9205,  
48.2628

■ 29.1751, 18.9707,  
8.6914

■ 55.4424, 57.2932,  
61.2615

■ 27.3754, 16.3108,  
5.1956

■ 62.8058, 67.9890,  
76.1434

■ 26.1671, 14.5091,  
2.8973

■ 71.1206, 80.0563,  
92.9795

■ 25.4754, 13.4598,  
1.6361

■ 78.9869, 91.7192,  
108.1483

■ 25.2415, 13.1084,  
1.1998

# Harmonies

## Analogous

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



39.4567, 32.9337, 37.9893



38.7093, 32.9337, 27.6092



35.9103, 32.9337, 20.9533

# Triad

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



38.7093, 32.9337, 27.6092



25.5381, 32.9337, 24.6795



30.5786, 32.9337, 62.0514

# Complementary

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



38.7093, 32.9337, 27.6092



42.5280, 52.3521, 65.6213

# 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.



27.1067, 32.9337, 56.5505



38.7093, 32.9337, 27.6092



24.3571, 32.9337, 33.8102

# Square

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



38.7093, 32.9337, 27.6092



28.2710, 32.9337, 19.5267



24.9065, 32.9337, 45.6079



34.5434, 32.9337, 59.4286



# Rectangle

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



38.7093, 32.9337, 27.6092



33.3732, 32.9337, 18.7663



24.9065, 32.9337, 45.6079



29.3193, 32.9337, 61.0614

# Sweetspot

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



38.7102, 32.9353, 27.6099



83.8166, 83.6728, 86.2282



44.8623, 34.9402, 61.4123



17.6284, 17.4559, 17.8279



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.



38.7102, 32.9353, 27.6099



58.8720, 47.3244, 36.1686



44.3070, 44.1290, 29.4755



11.2380, 11.2650, 11.6615



15.7258, 8.1845, 0.7509



0.8206, 0.4410, 0.0419



# Inverse Universe

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



42.5280, 52.3521, 65.6213



66.0089, 83.6364, 107.2721



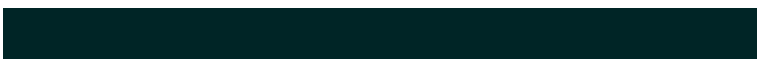
35.4263, 38.1487, 63.2540



11.5143, 12.6689, 14.4089



19.5936, 28.2111, 40.3689



1.0198, 1.4734, 2.0856



# Previews

## White Background



This preview shows how the XYZ color 38.7093, 32.9337, 27.6092 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 38.7093, 32.9337, 27.6092 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 38.7093, 32.9337, 27.6092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7093, 32.9337, 27.6092.



This preview shows how white text looks on a background with the XYZ color 38.7093, 32.9337,

27.6092.

# 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

38.7093, 32.9337, 27.6092

### Protanopia

31.5301, 33.0641, 31.5083

### Deuteranopia

33.7998, 33.1176, 27.1652



## Tritanopia

39.5242, 32.8367, 31.8587

# Trichromacy



## Original Color

38.7093, 32.9337, 27.6092

## Protanomaly

33.7614, 32.7950, 30.1418

## Deuteranomaly

35.3911, 32.9984, 27.4257

## Tritanomaly

39.3572, 32.9963, 30.2812

# Monochromacy



## Original Color

38.7093, 32.9337, 27.6092

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

34.2508, 33.4492, 33.5053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7093, 32.9337, 27.6092 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(205, 138, 136)` looks like.

```
.text, #text, p{  
    color:rgb(205, 138, 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(205, 138, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 138, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7093, 32.9337, 27.6092 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(205, 138, 136) }
```



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

```
.border{ border-color:rgb(205, 138, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 138, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 138, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 138, 136);  
box-shadow:4px 4px 4px 4px rgb(205, 138,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7093, 32.9337, 27.6092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 138, 136) }
```

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

```
.background{ background-color: rgb(205,  
138, 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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