

# Converting Colors

XYZ(39.3264, 32.8737, 17.9438)

Have a look what the booklet for  
XYZ(39.3264, 32.8737, 17.9438)  
contains.

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# Color

**XYZ(39.2898, 32.8156,  
17.8989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7876A
RGB	215, 135, 106
RGB Percent	84%, 53%, 42%
CMY	0.1569, 0.4706, 0.5843
CMYK	0.00, 0.37, 0.51, 0.16
HSL	16°, 58%, 63%
HSV	16°, 51%, 84%
XYZ	39.2898, 32.8156, 17.8989
YIQ	155.6140, 56.9890, 7.9410

# Conversions

## Conversions Part 2

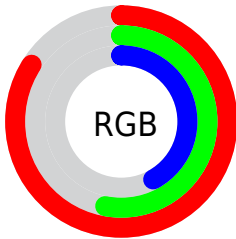
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 146, 106
Decimal	14124906
CIE Lab	64.01, 27.59, 28.39
CIE LCh	64, 39.586, 45.822
Yxy	32.8156, 0.4365, 0.3646
Android (android.graphics.Color)	4292314986 (0xFFD7876A)
YUV	155.6140, -24.4597, 52.0815
Hunter-Lab	57.2849, 22.1786, 21.5740

# Details

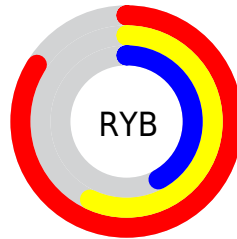
The XYZ color **39.2898, 32.8156, 17.8989** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.7675, 43.0862, 70.7211**, and the grayscale version is **31.5164, 33.1577, 36.1087**.

A 20% lighter version of the original color is **65.6092, 60.1238, 40.4948**, and **17.8387, 13.8142, 5.7292** is the 20% darker color. If you saturate the color by 10%, you get **36.2681, 28.3428, 12.0500**, and if you desaturate by 10%, it is **42.9197, 38.0564, 25.3339**.

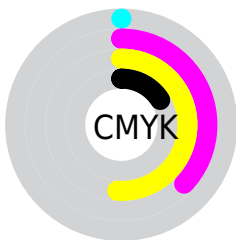
# Distribution



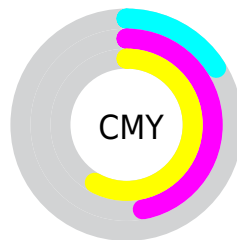
- Red (84%)
- Green (53%)
- Blue (42%)



- Red (84%)
- Yellow (57%)
- Blue (42%)



- Cyan (0%)
- Magenta (37%)
- Yellow (51%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2898, 32.8156, 17.8989 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 39.2898, 32.8156, 17.8989 by changing the saturation by 10% instead.





 39.2898, 32.8156,  
17.8989


 39.2898, 32.8156,  
17.8989


334.3070,  
314.8180, 252.5175

 27.1670, 21.9852,  
10.7087


 73.3721, 64.0875,  
40.6766

 17.8359, 13.8460,  
5.7596


 96.0622, 85.2979,  
57.1012

 10.9312, 8.0137,  
2.6331


 123.0055,  
110.7370, 77.4410

 6.0876, 4.1037,  
0.9095

 154.5674,  
140.7893, 102.1146

 2.9396, 1.7317,  
0.0000

191.1131,  
175.8391, 131.5405

 1.1219, 0.4441,  
0.0000

233.0080,

 0.0433, 0.0000,

216.2709, 166.1373

0.0000

280.6176,  
262.4691, 206.3234

■ 0.0000, 0.0000,  
0.0000

■ 39.2898, 32.8156,  
17.8989

■ 39.2898, 32.8156,  
17.8989

■ 36.2681, 28.3428,  
12.0500

■ 42.9197, 38.0564,  
25.3339

■ 33.8164, 24.5958,  
7.6680

■ 47.1880, 44.0947,  
34.4583

■ 31.8959, 21.5360,  
4.6197

■ 52.1256, 50.9646,  
45.3691

■ 30.4608, 19.1182,  
2.7466

■ 57.7605, 58.6964,  
58.1550

■ 29.4978, 17.3943,  
1.8027

■ 64.1194, 67.3190,  
72.8992

■ 71.2272, 76.8601,  
89.6794

■ 78.8652, 87.2489,  
107.2918

■ 81.8342, 93.1870,  
108.2815

# Harmonies

## Analogous

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



42.7069, 32.8156, 27.9829



39.2898, 32.8156, 17.8989



33.8956, 32.8156, 13.4356

# Triad

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



39.2898, 32.8156, 17.8989



21.8928, 32.8156, 28.7137



34.2113, 32.8156, 74.2476

# Complementary

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



39.2898, 32.8156, 17.8989



35.7675, 43.0862, 70.7211

# 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.



28.6328, 32.8156, 74.6202



39.2898, 32.8156, 17.8989



21.9559, 32.8156, 44.7907

# Square

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



39.2898, 32.8156, 17.8989



24.1041, 32.8156, 18.2955



24.2881, 32.8156, 62.6424



39.5446, 32.8156, 61.7392



# Rectangle

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



39.2898, 32.8156, 17.8989



30.1134, 32.8156, 13.0342



24.2881, 32.8156, 62.6424



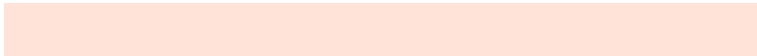
32.2925, 32.8156, 75.8990

# Sweetspot

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



39.2906, 32.8172, 17.8995



81.1814, 81.1558, 76.8612



42.2286, 28.3754, 50.6871



17.0009, 16.8554, 15.6010



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.



39.2906, 32.8172, 17.8995



53.0153, 41.1727, 17.0704



48.5557, 51.3474, 20.9879



12.6894, 12.9529, 12.9921



17.7181, 10.5534, 1.1032



1.1369, 0.7730, 0.0893



# Inverse Universe

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



35.7675, 43.0862, 70.7211



47.1923, 57.7929, 103.2756



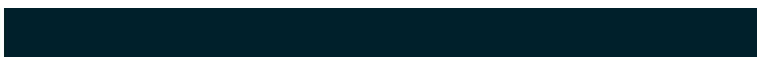
26.6316, 24.8143, 67.6757



12.4996, 13.5227, 15.8889



14.7190, 17.6998, 41.0938



0.9540, 1.2001, 2.5007



# Previews

## White Background



This preview shows how the XYZ color 39.2898, 32.8156, 17.8989 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 39.2898, 32.8156, 17.8989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

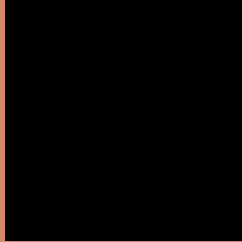
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.2898, 32.8156, 17.8989**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2898, 32.8156, 17.8989.



This preview shows how white text looks on a background with the XYZ color 39.2898, 32.8156,



# 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

39.2898, 32.8156, 17.8989

### Protanopia

30.7522, 32.8960, 20.9484

### Deuteranopia

33.6891, 33.0390, 17.4335



## Tritanopia

41.6297, 32.7641, 28.9409

# Trichromacy



## Original Color

39.2898, 32.8156, 17.8989

## Protanomaly

33.2817, 32.5400, 19.8559

## Deuteranomaly

35.4979, 32.8163, 17.5599

## Tritanomaly

40.7628, 32.8128, 24.6071

# Monochromacy



## Original Color

39.2898, 32.8156, 17.8989

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

33.3088, 32.3619, 28.5357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2898, 32.8156, 17.8989 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(215, 135, 106)` looks like.

```
.text, #text, p{  
    color:rgb(215, 135, 106)  
}
```

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(215, 135, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 135, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2898, 32.8156, 17.8989 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(215, 135, 106) }
```



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

```
.border{ border-color:rgb(215, 135, 106) }
```

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

Here you see how a box with a 4 pixel rgb(215, 135, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 135, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 135, 106);  
box-shadow:4px 4px 4px 4px rgb(215, 135,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2898, 32.8156, 17.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 135, 106) }
```

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

```
.background{ background-color: rgb(215,  
135, 106) }
```

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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