

Converting Colors

XYZ(39.2584, 36.8955, 9.8242)

Have a look what the booklet for
XYZ(39.2584, 36.8955, 9.8242)
contains.

XYZ(39.2768, 36.8124, 9.7380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.2768, 36.8124,
9.7380)**

Conversions

Conversions Part 1

Format	Color
Hex	D4983F
RGB	212, 152, 63
RGB Percent	83%, 60%, 25%
CMY	0.1686, 0.4039, 0.7529
CMYK	0.00, 0.28, 0.70, 0.17
HSL	36°, 63%, 54%
HSV	36°, 70%, 83%
XYZ	39.2768, 36.8124, 9.7380
YIQ	159.7940, 64.3290, -14.9590

Conversions

Conversions Part 2

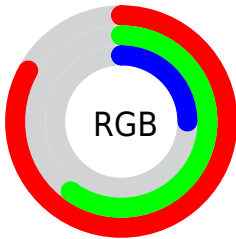
Format	Color
R _Y B	163, 212, 63
Decimal	13932607
CIE Lab	67.14, 14.08, 53.90
CIE LCh	67, 55.706, 75.362
Yxy	36.8124, 0.4576, 0.4289
Android (android.graphics.Color)	4292122687 (0xFFD4983F)
YUV	159.7940, -47.7194, 45.7847
Hunter-Lab	60.6732, 9.3738, 32.9553

Details

The XYZ color **39.2768, 36.8124, 9.7380** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.0161, 19.9752, 65.0348**, and the grayscale version is **33.5117, 35.2569, 38.3947**.

A 20% lighter version of the original color is **66.4058, 66.6404, 25.5826**, and **17.8070, 16.0862, 2.2526** is the 20% darker color. If you saturate the color by 10%, you get **37.4587, 33.9490, 6.7505**, and if you desaturate by 10%, it is **41.4243, 39.9702, 13.9609**.

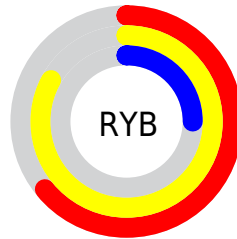
Distribution



Red (83%)

Green (60%)

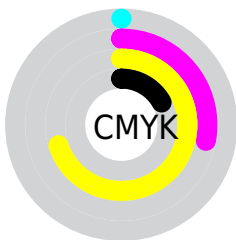
Blue (25%)



Red (64%)

Yellow (83%)

Blue (25%)

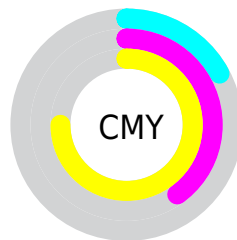


Cyan (0%)

Magenta (28%)

Yellow (70%)

Black (17%)



Cyan (17%)


Magenta (40%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2768, 36.8124, 9.7380 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 39.2768, 36.8124, 9.7380 by changing the saturation by 10% instead.


 39.2768, 36.8124,
9.7380


 39.2768, 36.8124,
9.7380


334.2528,
332.4976, 199.2082


 27.1568, 25.0623,
5.1223


 73.3524, 70.2842,
25.9016


 17.8282, 16.1235,
2.2592


 96.0386, 92.7746,
38.2865


 10.9257, 9.6116,
0.7082


 122.9777,
119.6139, 54.0983

 6.0838, 5.1422,
0.0000

 154.5350,
151.1865, 73.7554

 2.9372, 2.3309,
0.0000

 191.0758,
187.8768, 97.6764

 1.1207, 0.7900,
0.0000

232.9654,

 0.0423, 0.0000,

230.0691, 126.2798

0.0000

280.5693,
278.1479, 159.9842

■ 0.0000, 0.0000,
0.0000

■ 39.2768, 36.8124,
9.7380

■ 39.2768, 36.8124,
9.7380

■ 37.4587, 33.9490,
6.7505

■ 41.4243, 39.9702,
13.9609

■ 35.9376, 31.3590,
4.8491

■ 43.9242, 43.4302,
19.5411

■ 34.6939, 29.0823,
3.7849

■ 46.7998, 47.2064,
26.5882

■ 50.0715, 51.3100,
35.1998

■ 53.7578, 55.7515,
45.4650

■ 57.8761, 60.5406,
57.4662

■ 62.4428, 65.6868,
71.2804

■ 67.4731, 71.1988,
86.9796

■ 72.9815, 77.0852,
104.6321

Harmonies

Analogous

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



47.7520, 36.8124, 15.1777



39.2768, 36.8124, 9.7380



30.8419, 36.8124, 9.7976

Triad

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



39.2768, 36.8124, 9.7380



21.4953, 36.8124, 53.7809



47.9316, 36.8124, 82.6997

Complementary

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



39.2768, 36.8124, 9.7380



21.0161, 19.9752, 65.0348

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.



39.4923, 36.8124, 104.1412



39.2768, 36.8124, 9.7380



24.7307, 36.8124, 83.3783

Square

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



39.2768, 36.8124, 9.7380



21.4568, 36.8124, 29.3946



31.0254, 36.8124, 104.4304



53.2706, 36.8124, 53.0900

Rectangle

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



39.2768, 36.8124, 9.7380



26.3696, 36.8124, 12.7744



31.0254, 36.8124, 104.4304



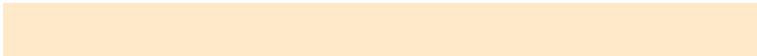
45.3078, 36.8124, 91.5475

Sweetspot

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



39.2776, 36.8142, 9.7387



81.0987, 84.0245, 67.4803



32.6359, 19.0351, 21.3844



17.0138, 17.5735, 13.4713



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.



39.2776, 36.8142, 9.7387



55.7787, 49.7026, 8.7333



48.1488, 59.6675, 13.6823



13.0339, 13.6420, 13.1069



21.5189, 18.1551, 2.3701



1.3781, 1.2553, 0.1697

Inverse Universe

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



21.0161, 19.9752, 65.0348



26.5520, 22.8783, 97.6243



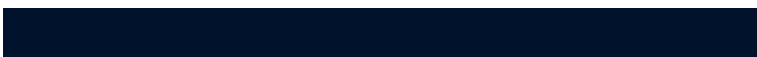
16.5958, 9.8215, 63.3080



12.1490, 12.8213, 15.7720



9.4518, 7.1653, 39.3380



0.6501, 0.5921, 2.3993

Previews

White Background



This preview shows how the XYZ color 39.2768, 36.8124, 9.7380 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 39.2768, 36.8124, 9.7380 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 39.2768, 36.8124, 9.7380

Background



This preview shows how black text looks on a background with the XYZ color 39.2768, 36.8124, 9.7380.



This preview shows how white text looks on a background with the XYZ color 39.2768, 36.8124,

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

39.2768, 36.8124, 9.7380

Protanopia

33.5502, 36.8894, 10.5063

Deuteranopia

37.6598, 36.9621, 9.7069



Tritanopia

44.4857, 36.8503, 34.9052

Trichromacy



Original Color

39.2768, 36.8124, 9.7380

Protanomaly

35.5173, 36.8607, 10.2439

Deuteranomaly

38.3230, 37.0559, 9.6901

Tritanomaly

41.9880, 36.5128, 22.6040

Monochromacy



Original Color

39.2768, 36.8124, 9.7380

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.3490, 35.1783, 24.3817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2768, 36.8124, 9.7380 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(212, 152, 63)` looks like.

```
.text, #text, p{  
    color:rgb(212, 152, 63)  
}
```

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(212, 152, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 152, 63) }
```

Border

The CSS property to change the border of an element to XYZ 39.2768, 36.8124, 9.7380 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(212, 152, 63) }
```


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

```
.border{ border-color:rgb(212, 152, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 152, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 152, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 152, 63);  
box-shadow:4px 4px 4px 4px rgb(212, 152,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2768, 36.8124, 9.7380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 152, 63) }
```

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

```
.background{ background-color: rgb(212,  
152, 63) }
```

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