

# Converting Colors

XYZ(42.3820, 40.6052, 40.5083)

Have a look what the booklet for  
XYZ(42.3820, 40.6052, 40.5083)  
contains.

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# Color

**XYZ(42.3037, 40.4768,  
40.7051)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3A3A4
RGB	195, 163, 164
RGB Percent	76%, 64%, 64%
CMY	0.2353, 0.3608, 0.3569
CMYK	0.00, 0.16, 0.16, 0.24
HSL	358°, 21%, 70%
HSV	358°, 16%, 76%
XYZ	42.3037, 40.4768, 40.7051
YIQ	172.6820, 18.7510, 7.0950

# Conversions

## Conversions Part 2

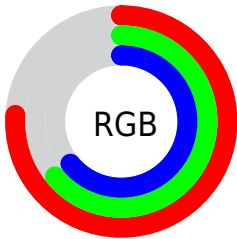
Format	Color
<a href="#">RYB</a>	<a href="#">195, 163, 164</a>
Decimal	<a href="#">12821412</a>
CIELab	<a href="#">69.81, 11.89, 3.87</a>
CIElCh	<a href="#">70, 12.506, 18.017</a>
Yxy	<a href="#">40.4768, 0.3426, 0.3278</a>
Android (android.graphics.Color)	<a href="#">4291011492</a> ( <a href="#">0xFFC3A3A4</a> )
YUV	<a href="#">172.6820, -4.2802, 19.5729</a>
Hunter-Lab	<a href="#">63.6214, 7.3524, 6.6011</a>

# Details

The XYZ color **42.3037, 40.4768, 40.7051** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.3586, 50.7128, 58.4920**, and the grayscale version is **39.5739, 41.6348, 45.3403**.

A 20% lighter version of the original color is **78.0025, 75.9527, 77.5670**, and **19.5936, 18.2015, 17.8098** is the 20% darker color. If you saturate the color by 10%, you get **37.5234, 33.4466, 31.3100**, and if you desaturate by 10%, it is **47.8736, 48.6797, 51.6148**.

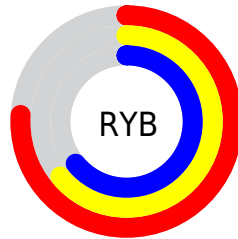
# Distribution



Red (76%)

Green (64%)

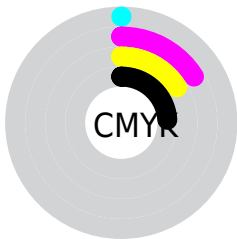
Blue (64%)



Red (76%)

Yellow (64%)

Blue (64%)

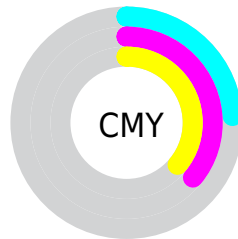


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (24%)



Cyan (24%)

Magenta (36%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3037, 40.4768, 40.7051 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 42.3037, 40.4768, 40.7051 by changing the saturation by 10% instead.





 42.3037, 40.4768,  
40.7051

 42.3037, 40.4768,  
40.7051


346.7106,  
348.1291, 364.7266

 29.5313, 27.9105,  
27.7708


 77.9213, 75.8890,  
77.4848

 19.6294, 18.2582,  
17.9154


 101.4973, 99.5037,  
102.1673

 12.2326, 11.1355,  
10.7204

129.4052,  
127.5700, 131.6029

 6.9757, 6.1581,  
5.7674

162.0103,  
160.4723, 166.2101

 3.4931, 2.9414,  
2.6377

199.6781,  
198.5950, 206.4076

 1.4196, 1.1012,  
0.9118

242.7738,

 0.2701, 0.0000,

242.3224, 252.6138

0.0000

291.6629,  
292.0390, 305.2473

0.0000, 0.0000,  
0.0000

42.3037, 40.4768,  
40.7051

42.3037, 40.4768,  
40.7051

37.5234, 33.4466,  
31.3100

47.8736, 48.6797,  
51.6148

33.4939, 27.5306,  
23.3603

54.2629, 58.0997,  
64.0992

30.1780, 22.6730,  
16.7849

61.5043, 68.7855,  
78.2182

27.5340, 18.8116,  
11.5060

69.6273, 80.7816,  
94.0280

25.5162, 15.8773,  
7.4378

76.3159, 90.3422,  
108.0233

■ 24.0727, 13.7924,  
4.4845

■ 23.1439, 12.4665,  
2.5353

■ 22.6536, 11.7829,  
1.4564

■ 22.5391, 11.6155,  
1.2285

# Harmonies

## Analogous

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



42.4171, 40.4768, 46.4338



42.3037, 40.4768, 40.7051



41.1419, 40.4768, 36.2756

# Triad

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



42.3037, 40.4768, 40.7051



35.6434, 40.4768, 37.0111



37.6674, 40.4768, 55.9341

# Complementary

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



42.3037, 40.4768, 40.7051



44.3586, 50.7128, 58.4920

# 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.



35.9202, 40.4768, 52.9132



42.3037, 40.4768, 40.7051



34.7794, 40.4768, 41.7924

# Square

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



42.3037, 40.4768, 40.7051



37.2775, 40.4768, 34.2755



34.8789, 40.4768, 47.6204



39.6917, 40.4768, 55.5780



# Rectangle

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



42.3037, 40.4768, 40.7051



39.9514, 40.4768, 34.4997



34.8789, 40.4768, 47.6204



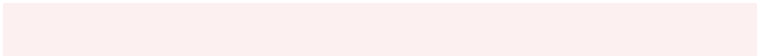
37.0296, 40.4768, 55.2697

# Sweetspot

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



42.3048, 40.4786, 40.7059



87.1784, 89.3026, 95.2523



45.1797, 41.5968, 57.2779



18.9210, 19.3056, 20.5265



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.



42.3048, 40.4786, 40.7059



72.2623, 67.3391, 66.0223



45.0248, 46.0621, 41.1703



10.0856, 10.0829, 10.5415



14.6549, 7.5517, 0.8289



0.6377, 0.3281, 0.0594



# Inverse Universe

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



42.3048, 40.4786, 40.7059



72.2623, 67.3391, 66.0223



41.2909, 44.3977, 58.0235



10.0856, 10.0829, 10.5415



14.6549, 7.5517, 0.8289



0.6377, 0.3281, 0.0594



# Previews

## White Background



This preview shows how the XYZ color 42.3037, 40.4768, 40.7051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

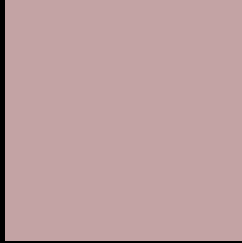
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3037, 40.4768, 40.7051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

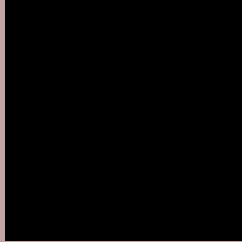
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.3037, 40.4768, 40.7051**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3037, 40.4768, 40.7051.



This preview shows how white text looks on a background with the XYZ color 42.3037, 40.4768,



# 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

42.3037, 40.4768, 40.7051

### Protanopia

38.8982, 40.5753, 42.8274

### Deuteranopia

41.3912, 40.5378, 40.7650



## Tritanopia

43.1498, 40.2815, 45.5453

# Trichromacy



## Original Color

42.3037, 40.4768, 40.7051

## Protanomaly

40.0852, 40.3725, 42.2392

## Deuteranomaly

41.7145, 40.4377, 40.7286

## Tritanomaly

42.9410, 40.4787, 43.5801

# Monochromacy



## Original Color

42.3037, 40.4768, 40.7051

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.4997, 41.1020, 43.8291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3037, 40.4768, 40.7051 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(195, 163, 164)` looks like.

```
.text, #text, p{  
    color:rgb(195, 163, 164)  
}
```

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(195, 163, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 163, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3037, 40.4768, 40.7051 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(195, 163, 164) }
```



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

```
.border{ border-color:rgb(195, 163, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 163, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 163, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 163, 164);  
box-shadow:4px 4px 4px 4px rgb(195, 163,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3037, 40.4768, 40.7051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 163, 164) }
```

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

```
.background{ background-color: rgb(195,  
163, 164) }
```

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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