

Converting Colors

XYZ(42.4205, 40.7494, 23.8608)

Have a look what the booklet for
XYZ(42.4205, 40.7494, 23.8608)
contains.

XYZ(42.3839, 40.6310, 23.6979)	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(42.3839, 40.6310,
23.6979)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A279
RGB	208, 162, 121
RGB Percent	82%, 64%, 47%
CMY	0.1843, 0.3647, 0.5255
CMYK	0.00, 0.22, 0.42, 0.18
HSL	28°, 48%, 65%
HSV	28°, 42%, 82%
XYZ	42.3839, 40.6310, 23.6979
YIQ	171.0800, 40.5770, -2.9990

Conversions

Conversions Part 2

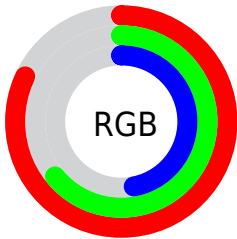
Format	Color
R_{YB}	208, 199, 121
Decimal	13673081
CIE _{Lab}	69.92, 11.66, 27.83
CIE _{LCh}	70, 30.174, 67.258
Yxy	40.6310, 0.3972, 0.3808
Android (android.graphics.Color)	4291863161 (0xFFD0A279)
YUV	171.0800, -24.6894, 32.3788
Hunter-Lab	63.7425, 7.1397, 22.5771

Details

The XYZ color **42.3839, 40.6310, 23.6979** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.0885, 36.2551, 64.9283**, and the grayscale version is **38.8556, 40.8791, 44.5174**.

A 20% lighter version of the original color is **73.6928, 73.9417, 50.4325**, and **19.6945, 18.2951, 8.6242** is the 20% darker color. If you saturate the color by 10%, you get **39.3904, 36.4699, 17.0711**, and if you desaturate by 10%, it is **45.8239, 45.2448, 31.8311**.

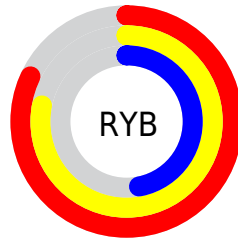
Distribution



Red (82%)

Green (64%)

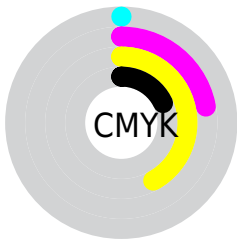
Blue (47%)



Red (82%)

Yellow (78%)

Blue (47%)

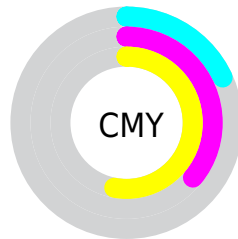


Cyan (0%)

Magenta (22%)

Yellow (42%)

Black (18%)



Cyan (18%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3839, 40.6310, 23.6979 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 42.3839, 40.6310, 23.6979 by changing the saturation by 10% instead.


 42.3839, 40.6310,
23.6979


 42.3839, 40.6310,
23.6979


347.0365,
348.7760, 284.5268


 29.5944, 28.0309,
14.8995


 78.0418, 76.1234,
50.4744

 19.6775, 18.3489,
8.6031

 101.6410, 99.7845,
69.2896

 12.2677, 11.2008,
4.3899


 129.5742,
127.9014, 92.2809

 6.9998, 6.2021,
1.8416

162.2066,
160.8584, 119.8668

 3.5083, 2.9683,
0.4552

199.9037,
199.0400, 152.4657

 1.4279, 1.1152,
0.0000

243.0308,

 0.2760, 0.0000,

242.8305, 190.4964

0.0000

291.9533,
292.6144, 234.3772

■ 0.0000, 0.0000,
0.0000

■ 42.3839, 40.6310,
23.6979

■ 42.3839, 40.6310,
23.6979

■ 39.3904, 36.4699,
17.0711

■ 45.8239, 45.2448,
31.8311

■ 36.8182, 32.7400,
11.8530

■ 49.7277, 50.3203,
41.5553

■ 34.6438, 29.4261,
7.9376


■ 54.1155, 55.8735,
52.9517


■ 32.8397, 26.5099,
5.2031


■ 59.0049, 61.9178,
66.0950


■ 31.3736, 23.9704,
3.5036


■ 64.4130, 68.4658,
81.0556

 30.3832, 22.1516,
2.6743

 70.3557, 75.5300,
97.8997

 74.9234, 82.3520,
106.5544

 78.2411, 88.9874,
107.6603

 79.8223, 92.1499,
108.1874

Harmonies

Analogous

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



46.6296, 40.6310, 29.8086



42.3839, 40.6310, 23.6979



37.4382, 40.6310, 22.4761

Triad

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



42.3839, 40.6310, 23.6979



29.9909, 40.6310, 47.7445



44.6200, 40.6310, 69.4346

Complementary

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



42.3839, 40.6310, 23.6979



33.0885, 36.2551, 64.9283

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.



39.8235, 40.6310, 76.8423



42.3839, 40.6310, 23.6979



31.5820, 40.6310, 62.7086

Square

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



42.3839, 40.6310, 23.6979



30.5505, 40.6310, 34.5906



35.0831, 40.6310, 74.1504



47.9950, 40.6310, 55.5359

Rectangle

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



42.3839, 40.6310, 23.6979



34.4545, 40.6310, 24.2967



35.0831, 40.6310, 74.1504



43.1053, 40.6310, 72.8872

Sweetspot

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



42.3849, 40.6329, 23.6987



84.8264, 87.3692, 81.3950



39.8621, 29.8899, 40.4221



17.8143, 18.2704, 16.5251



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.



42.3849, 40.6329, 23.6987



62.9998, 58.5982, 28.2401



51.3188, 58.5008, 26.6767



12.2616, 12.7139, 12.4198



19.0317, 13.9964, 1.6985



1.1433, 0.9409, 0.1213

Inverse Universe

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



33.0885, 36.2551, 64.9283



46.3713, 50.7591, 101.9612



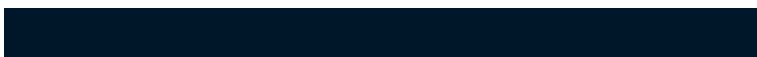
26.4659, 23.0098, 62.7208



11.6736, 12.4375, 15.0291



10.6664, 9.9793, 38.5565



0.6755, 0.7162, 2.1822

Previews

White Background



This preview shows how the XYZ color 42.3839, 40.6310, 23.6979 looks on a white background.

Color Contrast Check

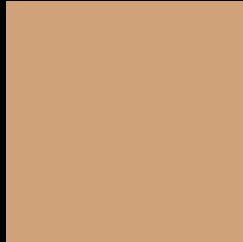
Large Text (above 18pt) WCAG AA × Fail

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 42.3839, 40.6310, 23.6979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

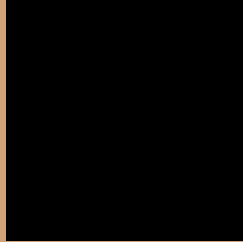
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3839, 40.6310, 23.6979

Background



This preview shows how black text looks on a background with the XYZ color 42.3839, 40.6310, 23.6979.



This preview shows how white text looks on a background with the XYZ color 42.3839, 40.6310,

23.6979.

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

42.3839, 40.6310, 23.6979

Protanopia

38.0317, 40.7968, 25.2721

Deuteranopia

41.6285, 40.7688, 23.7643



Tritanopia

46.3969, 40.7502, 42.4660

Trichromacy



Original Color

42.3839, 40.6310, 23.6979

Protanomaly

39.6330, 40.7980, 24.8547

Deuteranomaly

41.7252, 40.5540, 23.7177

Tritanomaly

44.6767, 40.5370, 34.7479

Monochromacy



Original Color

42.3839, 40.6310, 23.6979

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.5196, 40.4955, 35.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3839, 40.6310, 23.6979 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(208, 162, 121)` looks like.

```
.text, #text, p{  
    color:rgb(208, 162, 121)  
}
```

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(208, 162, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 162, 121) }
```

Border

The CSS property to change the border of an element to XYZ 42.3839, 40.6310, 23.6979 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(208, 162, 121) }
```


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

```
.border{ border-color:rgb(208, 162, 121) }
```

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

Here you see how a box with a 4 pixel rgb(208, 162, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 162, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 162, 121);  
box-shadow:4px 4px 4px 4px rgb(208, 162,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3839, 40.6310, 23.6979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 162, 121) }
```

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

```
.background{ background-color: rgb(208,  
162, 121) }
```

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