

Converting Colors

XYZ(40.7969, 40.1612, 7.8872)

Have a look what the booklet for
XYZ(40.7969, 40.1612, 7.8872)
contains.

XYZ(40.7969, 40.1612, 7.8872)	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(40.7969, 40.1612,
7.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	D5A22B
RGB	213, 162, 43
RGB Percent	84%, 64%, 17%
CMY	0.1647, 0.3647, 0.8314
CMYK	0.00, 0.24, 0.80, 0.16
HSL	42°, 67%, 50%
HSV	42°, 80%, 84%
XYZ	40.7969, 40.1612, 7.8872
YIQ	163.6830, 68.5950, -26.1970

Conversions

Conversions Part 2

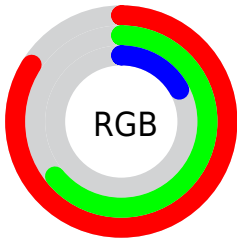
Format	Color
R _{YB}	116, 213, 43
Decimal	14000683
CIE Lab	69.58, 8.27, 64.19
CIE LCh	70, 64.718, 82.659
Yxy	40.1612, 0.4592, 0.4520
Android (android.graphics.Color)	4292190763 (0xFFD5A22B)
YUV	163.6830, -59.4967, 43.2510
Hunter-Lab	63.3729, 4.0086, 36.9819

Details

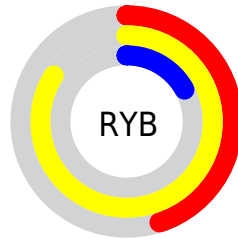
The XYZ color **40.7969, 40.1612, 7.8872** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.0091, 13.3228, 64.6253**, and the grayscale version is **35.3879, 37.2308, 40.5444**.

A 20% lighter version of the original color is **68.3050, 71.7866, 22.0605**, and **19.0109, 18.2389, 2.5185** is the 20% darker color. If you saturate the color by 10%, you get **39.4065, 37.8512, 5.9733**, and if you desaturate by 10%, it is **42.4501, 42.6711, 10.8951**.

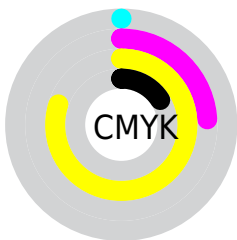
Distribution



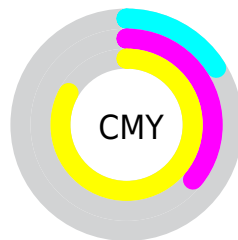
- Red (84%)
- Green (64%)
- Blue (17%)



- Red (45%)
- Yellow (84%)
- Blue (17%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (16%)





- Cyan (16%)
- Magenta (36%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7969, 40.1612, 7.8872 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 40.7969, 40.1612, 7.8872 by changing the saturation by 10% instead.


 40.7969, 40.1612,
7.8872


 40.7969, 40.1612,
7.8872


340.5482,
346.8025, 184.7460


 28.3474, 27.6643,
3.9361


 75.6521, 75.4089,
22.2795


 18.7295, 18.0727,
1.5904


 98.7886, 98.9285,
33.5578

 11.5778, 11.0022,
0.2839


 126.2180,
126.8910, 48.1157

 6.5270, 6.0683,
0.0000

 158.3059,
159.6810, 66.3715

 3.2118, 2.8867,
0.0000

 195.4175,
197.6827, 88.7439

 1.2667, 1.0729,
0.0000

 237.9181,

 0.1581, 0.0000,

241.2806, 115.6514

0.0000

286.1732,
290.8591, 147.5126

■ 0.0000, 0.0000,
0.0000

■ 40.7969, 40.1612,
7.8872

■ 40.7969, 40.1612,
7.8872

■ 39.4065, 37.8512,
5.9733

■ 42.4501, 42.6711,
10.8951

■ 38.2260, 35.7137,
4.8904

■ 44.3922, 45.3877,
15.1418

■ 38.2045, 35.6743,
4.8722

■ 46.6484, 48.3240,
20.7525

■ 49.2401, 51.4900,
27.8361

■ 52.1867, 54.8946,
36.4906

■ 55.5059, 58.5459,
46.8054

■ 59.2141, 62.4519,
58.8633

■ 63.3265, 66.6199,
72.7414

■ 67.8578, 71.0566,
88.5122

Harmonies

Analogous

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



51.7005, 40.1612, 12.0813



40.7969, 40.1612, 7.8872



30.9436, 40.1612, 9.2235

Triad

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



40.7969, 40.1612, 7.8872



22.4720, 40.1612, 69.8511



56.4760, 40.1612, 88.7354

Complementary

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



40.7969, 40.1612, 7.8872



17.0091, 13.3228, 64.6253

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.



46.4467, 40.1612, 121.2135



40.7969, 40.1612, 7.8872



27.2369, 40.1612, 107.2780

Square

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



40.7969, 40.1612, 7.8872



21.5124, 40.1612, 36.7815



35.6622, 40.1612, 129.2166



61.7657, 40.1612, 51.4998

Rectangle

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



40.7969, 40.1612, 7.8872



26.1124, 40.1612, 13.5964



35.6622, 40.1612, 129.2166



53.4685, 40.1612, 101.1558

Sweetspot

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



40.7978, 40.1632, 7.8880



81.1357, 85.5072, 63.1495



30.3249, 16.6823, 12.2121



16.9875, 17.8829, 12.3468



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.



40.7978, 40.1632, 7.8880



57.9353, 54.5613, 7.7708



42.8206, 57.3462, 11.0980



13.1437, 13.8617, 13.1435



23.4304, 21.9780, 3.0073



1.4841, 1.4674, 0.2050

Inverse Universe

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



17.0091, 13.3228, 64.6253



21.3196, 13.5696, 96.1033



15.9351, 8.1101, 63.6757



12.0433, 12.6100, 15.7367



8.5312, 5.3241, 39.0312



0.5865, 0.4649, 2.3781

Previews

White Background



This preview shows how the XYZ color 40.7969, 40.1612, 7.8872 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 40.7969, 40.1612, 7.8872 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 40.7969, 40.1612, 7.8872

Background



This preview shows how black text looks on a background with the XYZ color 40.7969, 40.1612, 7.8872.



This preview shows how white text looks on a background with the XYZ color 40.7969, 40.1612,

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

40.7969, 40.1612, 7.8872

Protanopia

36.5224, 40.3916, 8.3541

Deuteranopia

41.0879, 40.3112, 7.9008



Tritanopia

47.4963, 40.1497, 39.8967

Trichromacy



Original Color

40.7969, 40.1612, 7.8872

Protanomaly

38.0104, 40.3292, 8.1638

Deuteranomaly

41.0879, 40.3112, 7.9008

Tritanomaly

43.9646, 39.6800, 22.7946

Monochromacy



Original Color

40.7969, 40.1612, 7.8872

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.7788, 37.4955, 23.1209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7969, 40.1612, 7.8872 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(213, 162, 43)` looks like.

```
.text, #text, p{  
    color:rgb(213, 162, 43)  
}
```

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(213, 162, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 162, 43) }
```

Border

The CSS property to change the border of an element to XYZ 40.7969, 40.1612, 7.8872 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(213, 162, 43) }
```


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

```
.border{ border-color:rgb(213, 162, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 162, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 162, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 162, 43);  
box-shadow:4px 4px 4px 4px rgb(213, 162,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7969, 40.1612, 7.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 162, 43) }
```

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

```
.background{ background-color: rgb(213,  
162, 43) }
```

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