

Converting Colors

XYZ(40.7374, 42.0301, 7.3108)

Have a look what the booklet for
XYZ(40.7374, 42.0301, 7.3108)
contains.

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Color

**XYZ(40.7432, 42.0355,
7.3328)**

Conversions

Conversions Part 1

Format	Color
Hex	D1A920
RGB	209, 169, 32
RGB Percent	82%, 66%, 13%
CMY	0.1804, 0.3372, 0.8745
CMYK	0.00, 0.19, 0.85, 0.18
HSL	46°, 73%, 47%
HSV	46°, 85%, 82%
XYZ	40.7432, 42.0355, 7.3328
YIQ	165.3420, 67.8170, -34.1270

Conversions

Conversions Part 2

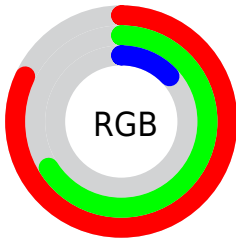
Format	Color
R _Y B	84, 209, 32
Decimal	13740320
CIE Lab	70.90, 2.45, 68.45
CIE LCh	71, 68.493, 87.949
Yxy	42.0355, 0.4521, 0.4665
Android (android.graphics.Color)	4291930400 (0xFFD1A920)
YUV	165.3420, -65.7376, 38.2881
Hunter-Lab	64.8348, -1.2887, 38.6787

Details

The XYZ color **40.7432, 42.0355, 7.3328** 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 **14.4219, 9.5455, 61.4036**, and the grayscale version is **36.2131, 38.0990, 41.4898**.

A 20% lighter version of the original color is **69.8274, 75.3440, 20.9878**, and **18.9390, 19.2066, 2.7091** is the 20% darker color. If you saturate the color by 10%, you get **39.6815, 40.2319, 5.9940**, and if you desaturate by 10%, it is **42.0184, 43.9786, 9.6311**.

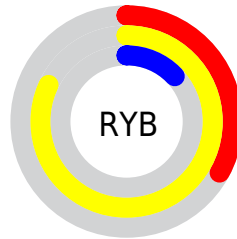
Distribution



Red (82%)

Green (66%)

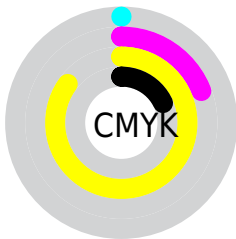
Blue (13%)



Red (33%)

Yellow (82%)

Blue (13%)

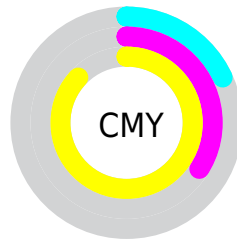


Cyan (0%)

Magenta (19%)

Yellow (85%)

Black (18%)



Cyan (18%)


Magenta (34%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7432, 42.0355, 7.3328 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 40.7432, 42.0355, 7.3328 by changing the saturation by 10% instead.


 40.7432, 42.0355,
7.3328


 40.7432, 42.0355,
7.3328


340.3271,
354.6301, 180.1356


 28.3053, 29.1291,
3.5895


 75.5711, 78.2534,
21.1638

 18.6975, 19.1785,
1.4030


 98.6917, 102.3336,
32.0886

 11.5546, 11.7993,
0.1440


 126.1040,
130.9072, 46.2443

 6.5112, 6.6072,
0.0000

 158.1733,
164.3586, 64.0495

 3.2019, 3.2177,
0.0000

 195.2648,
203.0722, 85.9227

 1.2614, 1.2464,
0.0000

 237.7441,

 0.1541, 0.0991,

247.4324, 112.2824

0.0000

285.9764,
297.8236, 143.5472

■ 0.0000, 0.0000,
0.0000

■ 40.7432, 42.0355,
7.3328

■ 40.7432, 42.0355,
7.3328

■ 39.6815, 40.2319,
5.9940

■ 42.0184, 43.9786,
9.6311

■ 39.1747, 39.3160,
5.5240

■ 43.5341, 46.0675,
13.0420

■ 45.3159, 48.3147,
17.6940

■ 47.3849, 50.7291,
23.6976

■ 49.7602, 53.3188,
31.1508

■ 52.4588, 56.0912,
40.1425

■ 55.4966, 59.0530,
50.7545

■ 58.8883, 62.2107,
63.0629

■ 62.6477, 65.5702,
77.1387

Harmonies

Analogous

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



52.7506, 42.0355, 10.5178



40.7432, 42.0355, 7.3328



30.5359, 42.0355, 9.6971

Triad

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



40.7432, 42.0355, 7.3328



23.5506, 42.0355, 81.9443



61.5593, 42.0355, 87.8176

Complementary

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



40.7432, 42.0355, 7.3328



14.4219, 9.5455, 61.4036

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.



51.1319, 42.0355, 126.6304



40.7432, 42.0355, 7.3328



29.4140, 42.0355, 122.2536

Square

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



40.7432, 42.0355, 7.3328



21.8081, 42.0355, 43.5591



39.1740, 42.0355, 141.5290



66.1050, 42.0355, 48.0534

Rectangle

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



40.7432, 42.0355, 7.3328



25.7879, 42.0355, 15.2848



39.1740, 42.0355, 141.5290



58.5391, 42.0355, 102.0038

Sweetspot

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



40.7441, 42.0376, 7.3336



82.0070, 87.7036, 62.0408



28.0238, 15.0737, 7.7890



17.2206, 18.4356, 12.1571



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.



40.7441, 42.0376, 7.3336



61.2925, 61.3649, 8.6142



37.9211, 53.3656, 9.6689



12.5674, 13.3256, 12.5218



24.2310, 24.3951, 3.4316



1.4118, 1.4779, 0.2109

Inverse Universe

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



14.4219, 9.5455, 61.4036



19.5440, 10.2080, 95.5480



15.2668, 7.3079, 60.9272



11.3773, 11.8449, 14.9303



7.7899, 4.2265, 37.5977



0.4968, 0.3588, 2.1226

Previews

White Background



This preview shows how the XYZ color 40.7432, 42.0355, 7.3328 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 40.7432, 42.0355, 7.3328 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 40.7432, 42.0355, 7.3328

Background



This preview shows how black text looks on a background with the XYZ color 40.7432, 42.0355, 7.3328.



This preview shows how white text looks on a background with the XYZ color 40.7432, 42.0355,

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

40.7432, 42.0355, 7.3328

Protanopia

38.1755, 42.1177, 7.5563

Deuteranopia

42.9719, 42.0917, 7.4498



Tritanopia

48.1318, 41.8839, 43.0837

Trichromacy



Original Color

40.7432, 42.0355, 7.3328

Protanomaly

39.1144, 42.0324, 7.4903

Deuteranomaly

41.9493, 41.8350, 7.3774

Tritanomaly

44.0990, 41.2687, 23.0942

Monochromacy



Original Color

40.7432, 42.0355, 7.3328

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.9032, 38.3805, 22.3455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7432, 42.0355, 7.3328 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(209, 169, 32)` looks like.

```
.text, #text, p{  
    color:rgb(209, 169, 32)  
}
```

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(209, 169, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 169, 32) }
```

Border

The CSS property to change the border of an element to XYZ 40.7432, 42.0355, 7.3328 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(209, 169, 32) }
```


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

```
.border{ border-color:rgb(209, 169, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 169, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 169, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 169, 32);  
box-shadow:4px 4px 4px 4px rgb(209, 169,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7432, 42.0355, 7.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 169, 32) }
```

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

```
.background{ background-color: rgb(209,  
169, 32) }
```

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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