

Converting Colors

XYZ(41.7317, 44.4098, 13.2099)

Have a look what the booklet for
XYZ(41.7317, 44.4098, 13.2099)
contains.

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Color

**XYZ(41.7317, 44.4098,
13.2099)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB04C
RGB	204, 176, 76
RGB Percent	80%, 69%, 30%
CMY	0.2000, 0.3098, 0.7019
CMYK	0.00, 0.14, 0.63, 0.20
HSL	47°, 56%, 55%
HSV	47°, 63%, 80%
XYZ	41.7317, 44.4098, 13.2099
YIQ	172.9720, 48.7880, -25.1640

Conversions

Conversions Part 2

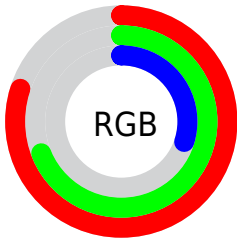
Format	Color
RYB	112, 204, 76
Decimal	13414476
CIELab	72.50, -1.45, 53.58
CIELCh	73, 53.599, 91.547
Yxy	44.4098, 0.4200, 0.4470
Android (android.graphics.Color)	4291604556 (0xFFCCB04C)
YUV	172.9720, -47.8072, 27.2116
Hunter-Lab	66.6407, -4.8410, 34.8957

Details

The XYZ color **41.7317, 44.4098, 13.2099** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **18.8298, 15.7963, 59.1831**, and the grayscale version is **39.9259, 42.0051, 45.7436**.

A 20% lighter version of the original color is **73.7784, 79.9968, 32.3213**, and **19.3756, 20.6725, 3.6785** is the 20% darker color. If you saturate the color by 10%, you get **40.2717, 42.4506, 9.7619**, and if you desaturate by 10%, it is **43.4474, 46.5207, 17.8533**.

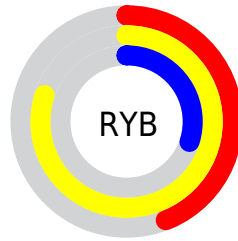
Distribution



Red (80%)

Green (69%)

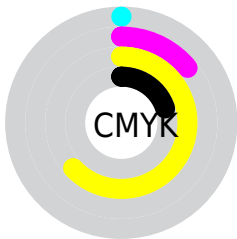
Blue (30%)



Red (44%)

Yellow (80%)

Blue (30%)

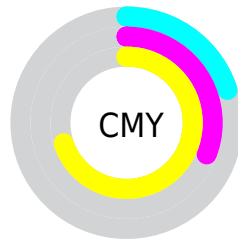


Cyan (0%)

Magenta (14%)

Yellow (63%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7317, 44.4098, 13.2099 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 41.7317, 44.4098, 13.2099 by changing the saturation by 10% instead.

41.7317, 44.4098,
13.2099

41.7317, 44.4098,
13.2099

344.3801,
364.3779, 223.5134

29.0815, 30.9928,
7.4408

77.0611, 81.8340,
32.3771

19.2870, 20.5934,
3.6567

100.4710,
106.6101, 46.6122

11.9831, 12.8271,
1.4390

128.1981,
135.9412, 64.5065

6.8043, 7.3096,
0.1718

160.6079,
170.2119, 86.4784

3.3852, 3.6565,
0.0000

198.0656,
209.8066, 112.9465

1.3606, 1.4833,
0.0000

240.9366,

0.2279, 0.2769,

255.1095, 144.3294

0.0000

289.5864,
306.5052, 181.0455

■ 0.0000, 0.0000,
0.0000

■ 41.7317, 44.4098,
13.2099

■ 41.7317, 44.4098,
13.2099

■ 40.2717, 42.4506,
9.7619

■ 43.4474, 46.5207,
17.8533

■ 39.0419, 40.6273,
7.3901

■ 45.4351, 48.7852,
23.7907

■ 38.0164, 38.9310,
5.9553

■ 47.7134, 51.2127,
31.1135

■ 37.3658, 37.7654,
5.3201

■ 50.2981, 53.8101,
39.9041

■ 53.2038, 56.5836,
50.2385

■ 56.4443, 59.5391,
62.1871

■ 60.0323, 62.6821,
75.8165

■ 63.9800, 66.0179,
91.1890

■ 67.5488, 69.2514,
104.4144

Harmonies

Analogous

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



51.2673, 44.4098, 15.9656



41.7317, 44.4098, 13.2099



33.5689, 44.4098, 16.6318

Triad

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



41.7317, 44.4098, 13.2099



28.7905, 44.4098, 80.2143



59.8653, 44.4098, 76.9217

Complementary

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



41.7317, 44.4098, 13.2099



18.8298, 15.7963, 59.1831

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.



52.2201, 44.4098, 106.0765



41.7317, 44.4098, 13.2099



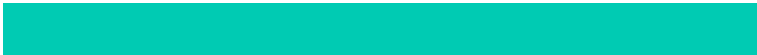
34.2880, 44.4098, 108.4158

Square

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



41.7317, 44.4098, 13.2099



26.8055, 44.4098, 49.7434



42.6923, 44.4098, 119.2714



62.6111, 44.4098, 46.9922

Rectangle

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



41.7317, 44.4098, 13.2099



29.7536, 44.4098, 23.0846



42.6923, 44.4098, 119.2714



57.7330, 44.4098, 87.4689

Sweetspot

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



41.7327, 44.4119, 13.2108



84.9197, 90.6874, 71.7721



30.0811, 19.0445, 15.6904



17.8878, 19.1314, 14.3486



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.



41.7327, 44.4119, 13.2108



65.9957, 69.3021, 14.7116



39.4463, 52.2387, 14.8420



11.9376, 12.6641, 11.8947



23.5896, 23.9122, 3.3722



1.2699, 1.3395, 0.1916

Inverse Universe

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



18.8298, 15.7963, 59.1831



25.2588, 18.5230, 96.8518



19.9309, 12.8526, 58.5569



10.7974, 11.2352, 14.1699



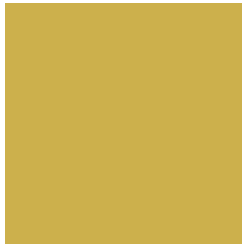
7.4985, 4.0210, 36.3372



0.4447, 0.3232, 1.8939

Previews

White Background



This preview shows how the XYZ color 41.7317, 44.4098, 13.2099 looks on a white background.

Color Contrast Check

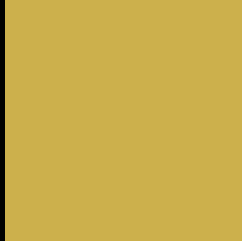
Large Text (above 18pt) WCAG AA × Fail

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 41.7317, 44.4098, 13.2099 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 41.7317, 44.4098, 13.2099

Background



This preview shows how black text looks on a background with the XYZ color 41.7317, 44.4098, 13.2099.

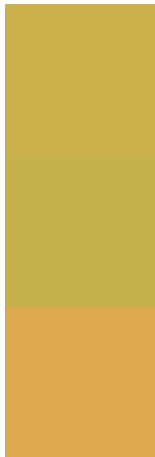


This preview shows how white text looks on a background with the XYZ color 41.7317, 44.4098,

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

41.7317, 44.4098, 13.2099

Protanopia

40.5487, 44.3824, 13.4507

Deuteranopia

45.3819, 44.2981, 13.3662



Tritanopia

48.9316, 44.2708, 48.0856

Trichromacy



Original Color

41.7317, 44.4098, 13.2099

Protanomaly

40.8811, 44.2595, 13.4094

Deuteranomaly

44.1164, 44.4879, 13.2830

Tritanomaly

45.5740, 44.0007, 31.2903

Monochromacy



Original Color

41.7317, 44.4098, 13.2099

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4907, 42.2974, 30.1276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7317, 44.4098, 13.2099 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(204, 176, 76)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 76)  
}
```

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(204, 176, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 76) }
```

Border

The CSS property to change the border of an element to XYZ 41.7317, 44.4098, 13.2099 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(204, 176, 76) }
```


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

```
.border{ border-color:rgb(204, 176, 76) }
```

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

Here you see how a box with a 4 pixel rgb(204, 176, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 76);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7317, 44.4098, 13.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 76) }
```

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

```
.background{ background-color: rgb(204,  
176, 76) }
```

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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