

Converting Colors

XYZ(40.3084, 42.3001, 10.4610)

Have a look what the booklet for
XYZ(40.3084, 42.3001, 10.4610)
contains.

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Color

**XYZ(40.3071, 42.3001,
10.4552)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAB3D
RGB	204, 171, 61
RGB Percent	80%, 67%, 24%
CMY	0.2000, 0.3294, 0.7608
CMYK	0.00, 0.16, 0.70, 0.20
HSL	46°, 58%, 52%
HSV	46°, 70%, 80%
XYZ	40.3071, 42.3001, 10.4552
YIQ	168.3270, 54.9780, -27.2140

Conversions

Conversions Part 2

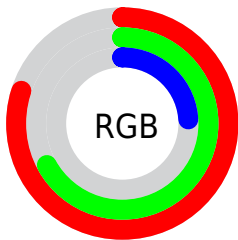
Format	Color
RYB	104, 204, 61
Decimal	13413181
CIELab	71.08, 0.32, 58.55
CIELCh	71, 58.550, 89.689
Yxy	42.3001, 0.4331, 0.4545
Android (android.graphics.Color)	4291603261 (0xFFCCAB3D)
YUV	168.3270, -52.9122, 31.2852
Hunter-Lab	65.0385, -3.1935, 35.9959

Details

The XYZ color **40.3071, 42.3001, 10.4552** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.8262, 13.3568, 58.8178**, and the grayscale version is **37.6145, 39.5734, 43.0954**.

A 20% lighter version of the original color is **71.4736, 76.8676, 26.9895**, and **18.4509, 19.3046, 2.7537** is the 20% darker color. If you saturate the color by 10%, you get **38.9856, 40.3757, 7.8003**, and if you desaturate by 10%, it is **41.8711, 44.3755, 14.2226**.

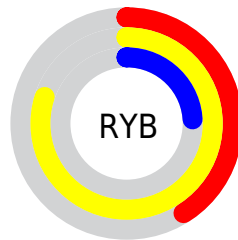
Distribution



Red (80%)

Green (67%)

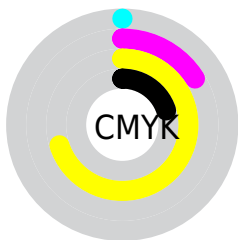
Blue (24%)



Red (41%)

Yellow (80%)

Blue (24%)

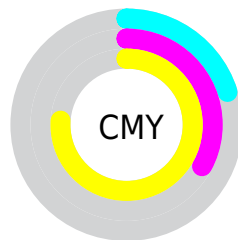


Cyan (0%)

Magenta (16%)

Yellow (70%)

Black (20%)



Cyan (20%)


Magenta (33%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3071, 42.3001, 10.4552 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 40.3071, 42.3001, 10.4552 by changing the saturation by 10% instead.


 40.3071, 42.3001,
10.4552


 40.3071, 42.3001,
10.4552


338.5285,
355.7255, 204.4922


 27.9633, 29.3363,
5.5923


 74.9123, 78.6536,
27.2693

 18.4383, 19.3354,
2.5340


 97.9045, 102.8122,
40.0576


 11.3667, 11.9129,
0.8581


 125.1768,
131.4711, 56.3247

 6.3832, 6.6844,
0.0000

 157.0946,
165.0148, 76.4893

 3.1223, 3.2655,
0.0000

 194.0234,
203.8277, 100.9697

 1.2188, 1.2719,
0.0000

236.3284,

 0.1211, 0.1193,

248.2942, 130.1847

0.0000

284.3750,
298.7987, 164.5526

■ 0.0000, 0.0000,
0.0000

■ 40.3071, 42.3001,
10.4552

■ 40.3071, 42.3001,
10.4552

■ 38.9856, 40.3757,
7.8003

■ 41.8711, 44.3755,
14.2226

■ 37.8783, 38.5855,
6.1227

■ 43.6963, 46.6048,
19.2119

■ 36.9468, 36.9275,
5.1804

■ 45.8026, 48.9983,
25.5221

■ 48.2071, 51.5633,
33.2413

■ 50.9252, 54.3063,
42.4500

■ 53.9714, 57.2338,
53.2228

■ 57.3593, 60.3516,
65.6290

■ 61.1013, 63.6651,
79.7338

■ 65.2097, 67.1797,
95.5990

Harmonies

Analogous

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



50.4681, 42.3001, 13.4425



40.3071, 42.3001, 10.4552



31.5873, 42.3001, 13.3143

Triad

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



40.3071, 42.3001, 10.4552



25.9747, 42.3001, 78.2341



58.7339, 42.3001, 78.9569

Complementary

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



40.3071, 42.3001, 10.4552



16.8262, 13.3568, 58.8178

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.



50.2627, 42.3001, 110.5196



40.3071, 42.3001, 10.4552



31.4371, 42.3001, 109.9967

Square

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



40.3071, 42.3001, 10.4552



24.1724, 42.3001, 45.7660



40.1030, 42.3001, 123.6880



62.1076, 42.3001, 46.3505

Rectangle

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



40.3071, 42.3001, 10.4552



27.4965, 42.3001, 19.2527



40.1030, 42.3001, 123.6880



56.3269, 42.3001, 90.4526

Sweetspot

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



40.3081, 42.3021, 10.4560



83.7798, 89.3866, 68.3740



28.6077, 16.9900, 12.4484



17.6551, 18.8561, 13.6851



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.



40.3081, 42.3021, 10.4560



63.6062, 65.3577, 11.3424



38.1333, 51.6152, 12.3683



11.9259, 12.6407, 11.8908



23.3284, 23.3897, 3.2851



1.2584, 1.3165, 0.1878

Inverse Universe

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



16.8262, 13.3568, 58.8178



22.6315, 15.0374, 96.3174



17.7284, 10.3578, 58.1914



10.8083, 11.2571, 14.1735



7.5610, 4.1459, 36.3580



0.4497, 0.3331, 1.8955

Previews

White Background



This preview shows how the XYZ color 40.3071, 42.3001, 10.4552 looks on a white background.

Color Contrast Check

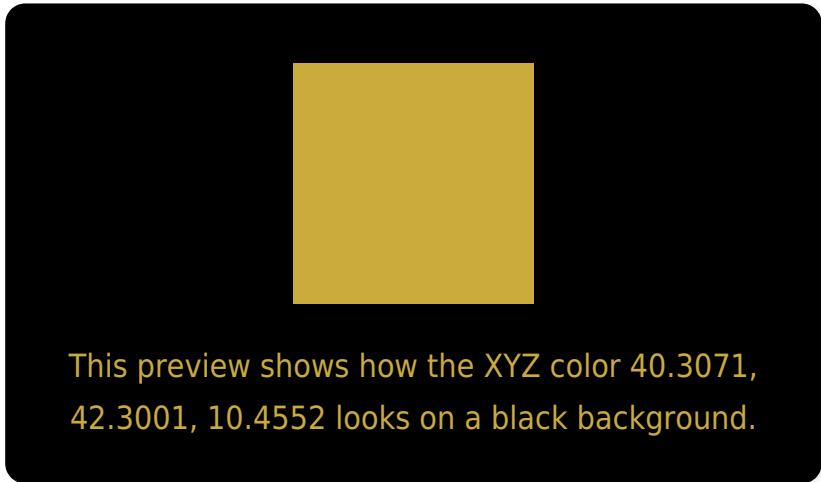
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 40.3071, 42.3001, 10.4552

Background



This preview shows how black text looks on a background with the XYZ color 40.3071, 42.3001, 10.4552.



This preview shows how white text looks on a background with the XYZ color 40.3071, 42.3001,

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

40.3071, 42.3001, 10.4552

Protanopia

38.5112, 42.2220, 10.6773

Deuteranopia

42.9676, 42.0209, 10.5488



Tritanopia

47.1686, 42.1172, 44.6731

Trichromacy



Original Color

40.3071, 42.3001, 10.4552

Protanomaly

39.1018, 42.2407, 10.6498

Deuteranomaly

41.8396, 41.9823, 10.4556

Tritanomaly

43.7348, 41.7722, 27.5876

Monochromacy



Original Color

40.3071, 42.3001, 10.4552

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2065, 39.7847, 26.4871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3071, 42.3001, 10.4552 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, 171, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 61)  
}
```

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, 171, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 61) }
```

Border

The CSS property to change the border of an element to XYZ 40.3071, 42.3001, 10.4552 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, 171, 61) }
```


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

```
.border{ border-color:rgb(204, 171, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 171, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3071, 42.3001, 10.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 61) }
```

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

```
.background{ background-color: rgb(204,  
171, 61) }
```

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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