

Converting Colors

XYZ(40.0743, 41.8258, 10.4060)

Have a look what the booklet for
XYZ(40.0743, 41.8258, 10.4060)
contains.

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Color

**XYZ(40.1189, 41.9237,
10.3925)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAA3D
RGB	204, 170, 61
RGB Percent	80%, 67%, 24%
CMY	0.2000, 0.3333, 0.7608
CMYK	0.00, 0.17, 0.70, 0.20
HSL	46°, 58%, 52%
HSV	46°, 70%, 80%
XYZ	40.1189, 41.9237, 10.3925
YIQ	167.7400, 55.2530, -26.6910

Conversions

Conversions Part 2

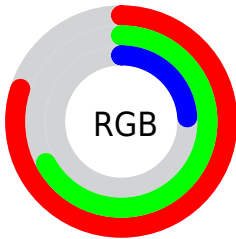
Format	Color
RYB	106, 204, 61
Decimal	13412925
CIELab	70.82, 0.85, 58.29
CIELCh	71, 58.292, 89.166
Yxy	41.9237, 0.4340, 0.4535
Android (android.graphics.Color)	4291603005 (0xFFCCAA3D)
YUV	167.7400, -52.6228, 31.8000
Hunter-Lab	64.7485, -2.7093, 35.8076

Details

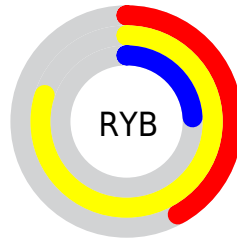
The XYZ color **40.1189, 41.9237, 10.3925** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.9158, 13.5359, 58.8476**, and the grayscale version is **37.3238, 39.2675, 42.7623**.

A 20% lighter version of the original color is **71.2025, 76.3253, 26.8991**, and **18.3325, 19.0679, 2.7142** is the 20% darker color. If you saturate the color by 10%, you get **38.7783, 39.9611, 7.7312**, and if you desaturate by 10%, it is **41.7039, 44.0410, 14.1669**.

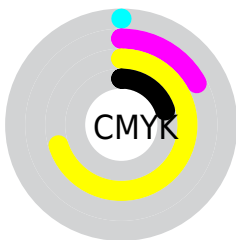
Distribution



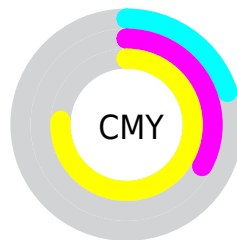
- Red (80%)
- Green (67%)
- Blue (24%)



- Red (42%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (17%)
- Yellow (70%)
- Black (20%)



- Cyan (20%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1189, 41.9237, 10.3925 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 40.1189, 41.9237, 10.3925 by changing the saturation by 10% instead.

40.1189, 41.9237,
10.3925

40.1189, 41.9237,
10.3925

337.7503,
354.1665, 204.0365

27.8159, 29.0416,
5.5510

74.6277, 78.0841,
27.1505

18.3267, 19.1123,
2.5097

97.5642, 102.1312,
39.9040

11.2859, 11.7514,
0.8453

124.7760,
130.6687, 56.1319

6.3282, 6.5746,
0.0000

156.6283,
164.0811, 76.2527

3.0882, 3.1975,
0.0000

193.4865,
202.7526, 100.6851

1.2006, 1.2357,
0.0000

235.7160,

0.1068, 0.0906,

247.0678, 129.8475

0.0000

283.6822,
297.4110, 164.1584

■ 0.0000, 0.0000,
0.0000

■ 40.1189, 41.9237,
10.3925

■ 40.1189, 41.9237,
10.3925

■ 38.7783, 39.9611,
7.7312

■ 41.7039, 44.0410,
14.1669

■ 37.6537, 38.1364,
6.0479

■ 43.5520, 46.3161,
19.1638

■ 36.7070, 36.4478,
5.1005

■ 45.6831, 48.7592,
25.4823

■ 48.1143, 51.3777,
33.2104

■ 50.8612, 54.1784,
42.4288

■ 53.9383, 57.1675,
53.2118

■ 57.3590, 60.3509,
65.6290

■ 61.1360, 63.7343,
79.7455

■ 65.2813, 67.3230,
95.6230

Harmonies

Analogous

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



50.1738, 41.9237, 13.4614



40.1189, 41.9237, 10.3925



31.4439, 41.9237, 13.1204

Triad

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



40.1189, 41.9237, 10.3925



25.6985, 41.9237, 76.8818



58.0703, 41.9237, 78.8010

Complementary

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



40.1189, 41.9237, 10.3925



16.9158, 13.5359, 58.8476

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.



49.6284, 41.9237, 109.8462



40.1189, 41.9237, 10.3925



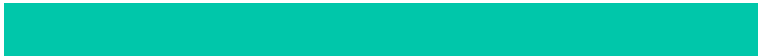
31.0446, 41.9237, 108.4581

Square

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



40.1189, 41.9237, 10.3925



23.9775, 41.9237, 44.8759



39.5768, 41.9237, 122.4302



61.5169, 41.9237, 46.4285

Rectangle

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



40.1189, 41.9237, 10.3925



27.3536, 41.9237, 18.9028



39.5768, 41.9237, 122.4302



55.6618, 41.9237, 90.1513

Sweetspot

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



40.1199, 41.9257, 10.3933



83.6681, 89.1631, 68.3367



28.7168, 17.0337, 13.0232



17.6283, 18.8024, 13.6761



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.



40.1199, 41.9257, 10.3933



63.2483, 64.6417, 11.2231



38.6371, 51.8749, 12.3919



11.9190, 12.6270, 11.8885



23.1787, 23.0904, 3.2352



1.2518, 1.3033, 0.1856

Inverse Universe

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



16.9158, 13.5359, 58.8476



22.7596, 15.2935, 96.3601



17.4714, 10.2253, 58.1794



10.8147, 11.2698, 14.1757



7.5989, 4.2217, 36.3706



0.4526, 0.3390, 1.8965

Previews

White Background



This preview shows how the XYZ color 40.1189, 41.9237, 10.3925 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 40.1189, 41.9237, 10.3925 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 40.1189, 41.9237, 10.3925

Background



This preview shows how black text looks on a background with the XYZ color 40.1189, 41.9237, 10.3925.



This preview shows how white text looks on a background with the XYZ color 40.1189, 41.9237,

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

40.1189, 41.9237, 10.3925

Protanopia

38.2537, 42.0892, 10.6653

Deuteranopia

42.6712, 41.8681, 10.5350



Tritanopia

46.9002, 41.7336, 44.1116

Trichromacy



Original Color

40.1189, 41.9237, 10.3925

Protanomaly

39.1018, 42.2407, 10.6498

Deuteranomaly

41.8396, 41.9823, 10.4556

Tritanomaly

43.4884, 41.3884, 27.1694

Monochromacy



Original Color

40.1189, 41.9237, 10.3925

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 40.1189, 41.9237, 10.3925 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, 170, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 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, 170, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 61) }
```

Border

The CSS property to change the border of an element to XYZ 40.1189, 41.9237, 10.3925 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, 170, 61) }
```


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

```
.border{ border-color:rgb(204, 170, 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, 170, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1189, 41.9237, 10.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 61) }
```

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

```
.background{ background-color: rgb(204,  
170, 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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