

Converting Colors

XYZ(39.7731, 41.2235, 10.3059)

Have a look what the booklet for
XYZ(39.7731, 41.2235, 10.3059)
contains.

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Color

**XYZ(39.7468, 41.1796,
10.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA83D
RGB	204, 168, 61
RGB Percent	80%, 66%, 24%
CMY	0.2000, 0.3412, 0.7608
CMYK	0.00, 0.18, 0.70, 0.20
HSL	45°, 58%, 52%
HSV	45°, 70%, 80%
XYZ	39.7468, 41.1796, 10.2684
YIQ	166.5660, 55.8030, -25.6450

Conversions

Conversions Part 2

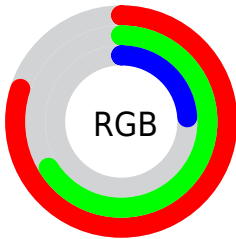
Format	Color
RYB	109, 204, 61
Decimal	13412413
CIELab	70.30, 1.91, 57.76
CIELCh	70, 57.792, 88.103
Yxy	41.1796, 0.4358, 0.4516
Android (android.graphics.Color)	4291602493 (0xFFCCA83D)
YUV	166.5660, -52.0440, 32.8296
Hunter-Lab	64.1713, -1.7395, 35.4326

Details

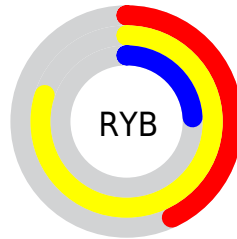
The XYZ color **39.7468, 41.1796, 10.2684** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.0981, 13.9006, 58.9083**, and the grayscale version is **36.7464, 38.6601, 42.1009**.

A 20% lighter version of the original color is **70.6649, 75.2503, 26.7199**, and **18.0995, 18.6018, 2.6366** is the 20% darker color. If you saturate the color by 10%, you get **38.3693, 39.1431, 7.5948**, and if you desaturate by 10%, it is **41.3726, 43.3785, 14.0564**.

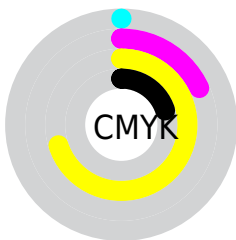
Distribution



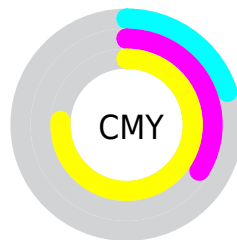
- Red (80%)
- Green (66%)
- Blue (24%)



- Red (43%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (18%)
- Yellow (70%)
- Black (20%)



- Cyan (20%)
- Magenta (34%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7468, 41.1796, 10.2684 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 39.7468, 41.1796, 10.2684 by changing the saturation by 10% instead.

■ 39.7468, 41.1796,
10.2684

■ 39.7468, 41.1796,
10.2684

336.2080,
351.0707, 203.1310

■ 27.5245, 28.4594,
5.4694

■ 74.0646, 76.9565,
26.9148

■ 18.1062, 18.6723,
2.4617

■ 96.8908, 100.7820,
39.5992

■ 11.1264, 11.4337,
0.8197

■ 123.9824,
129.0780, 55.7492

■ 6.2198, 6.3594,
0.0000

■ 155.7047,
162.2290, 75.7832

■ 3.0211, 3.0648,
0.0000

■ 192.4230,
200.6194, 100.1199

■ 1.1649, 1.1657,
0.0000

234.5028,

■ 0.0784, 0.0334,

244.6336, 129.1777

0.0000

282.3093,
294.6559, 163.3752

■ 0.0000, 0.0000,
0.0000

■ 39.7468, 41.1796,
10.2684

■ 39.7468, 41.1796,
10.2684

■ 38.3693, 39.1431,
7.5948

■ 41.3726, 43.3785,
14.0564

■ 37.2116, 37.2522,
5.9005

■ 43.2655, 45.7432,
19.0682

■ 36.2358, 35.5055,
4.9434

■ 45.4454, 48.2840,
25.4028

■ 47.9295, 51.0083,
33.1485

■ 50.7335, 53.9231,
42.3859

■ 53.8718, 57.0348,
53.1893

■ 57.3581, 60.3494,
65.6282

■ 61.2050, 63.8727,
79.7679

■ 65.4247, 67.6100,
95.6702

Harmonies

Analogous

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



49.5918, 41.1796, 13.5005



39.7468, 41.1796, 10.2684



31.1602, 41.1796, 12.7386

Triad

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



39.7468, 41.1796, 10.2684



25.1530, 41.1796, 74.2255



56.7604, 41.1796, 78.4957

Complementary

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



39.7468, 41.1796, 10.2684



17.0981, 13.9006, 58.9083

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.



48.3775, 41.1796, 108.5143



39.7468, 41.1796, 10.2684



30.2706, 41.1796, 105.4273

Square

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



39.7468, 41.1796, 10.2684



23.5922, 41.1796, 43.1307



38.5394, 41.1796, 119.9456



60.3498, 41.1796, 46.5889

Rectangle

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



39.7468, 41.1796, 10.2684



27.0710, 41.1796, 18.2159



38.5394, 41.1796, 119.9456



54.3494, 41.1796, 89.5569

Sweetspot

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



39.7477, 41.1816, 10.2692



83.4453, 88.7177, 68.2625



28.8292, 17.0785, 13.6154



17.5749, 18.6956, 13.6583



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.



39.7477, 41.1816, 10.2692



62.5429, 63.2309, 10.9880



39.1500, 52.1393, 12.4158



11.9055, 12.5999, 11.8840



22.8848, 22.5025, 3.1373



1.2387, 1.2772, 0.1812

Inverse Universe

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



17.0981, 13.9006, 58.9083



23.0232, 15.8208, 96.4480



17.2219, 10.0966, 58.1676



10.8274, 11.2953, 14.1799



7.6781, 4.3802, 36.3971



0.4584, 0.3506, 1.8984

Previews

White Background



This preview shows how the XYZ color 39.7468, 41.1796, 10.2684 looks on a white background.

Color Contrast Check

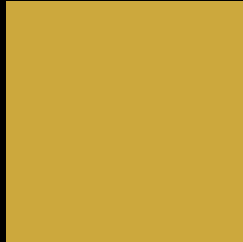
Large Text (above 18pt) WCAG AA × Fail

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 39.7468, 41.1796, 10.2684 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 39.7468, 41.1796, 10.2684

Background



This preview shows how black text looks on a background with the XYZ color 39.7468, 41.1796, 10.2684.



This preview shows how white text looks on a background with the XYZ color 39.7468, 41.1796,

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

39.7468, 41.1796, 10.2684

Protanopia

37.3603, 41.0593, 10.5136

Deuteranopia

41.9910, 40.9893, 10.2560



Tritanopia

46.3698, 40.9756, 43.0012

Trichromacy



Original Color

39.7468, 41.1796, 10.2684

Protanomaly

38.1974, 41.2094, 10.4984

Deuteranomaly

41.1886, 41.1070, 10.3210

Tritanomaly

43.0686, 40.6568, 26.6967

Monochromacy



Original Color

39.7468, 41.1796, 10.2684

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.5374, 38.8992, 26.0047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7468, 41.1796, 10.2684 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, 168, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 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, 168, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 61) }
```

Border

The CSS property to change the border of an element to XYZ 39.7468, 41.1796, 10.2684 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, 168, 61) }
```


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

```
.border{ border-color:rgb(204, 168, 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, 168, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 168, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 168, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 168,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7468, 41.1796, 10.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 61) }
```

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

```
.background{ background-color: rgb(204,  
168, 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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