

Converting Colors

XYZ(38.2628, 38.8377, 10.8209)

Have a look what the booklet for
XYZ(38.2628, 38.8377, 10.8209)
contains.

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Color

**XYZ(38.2906, 38.8025,
10.7817)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA243
RGB	202, 162, 67
RGB Percent	79%, 64%, 26%
CMY	0.2078, 0.3647, 0.7372
CMYK	0.00, 0.20, 0.67, 0.21
HSL	42°, 56%, 53%
HSV	42°, 67%, 79%
XYZ	38.2906, 38.8025, 10.7817
YIQ	163.1300, 54.3350, -21.0650

Conversions

Conversions Part 2

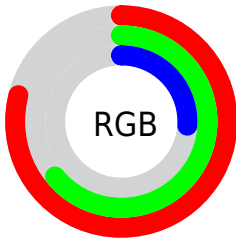
Format	Color
RYB	124, 202, 67
Decimal	13279811
CIELab	68.61, 4.59, 53.35
CIELCh	69, 53.545, 85.083
Yxy	38.8025, 0.4357, 0.4416
Android (android.graphics.Color)	4291469891 (0xFFCAA243)
YUV	163.1300, -47.3921, 34.0890
Hunter-Lab	62.2917, 0.7133, 33.3420

Details

The XYZ color **38.2906, 38.8025, 10.7817** 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 **18.2329, 15.9724, 57.9988**, and the grayscale version is **35.0741, 36.9007, 40.1848**.

A 20% lighter version of the original color is **69.3826, 72.2176, 27.7353**, and **17.2299, 17.3157, 2.6639** is the 20% darker color. If you saturate the color by 10%, you get **36.7581, 36.5442, 7.7849**, and if you desaturate by 10%, it is **40.0864, 41.2495, 14.9095**.

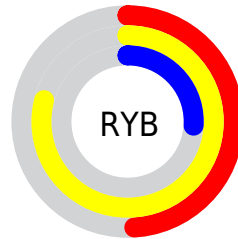
Distribution



Red (79%)

Green (64%)

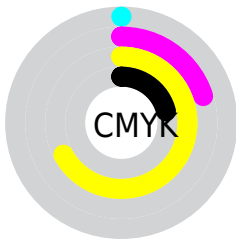
Blue (26%)



Red (49%)

Yellow (79%)

Blue (26%)

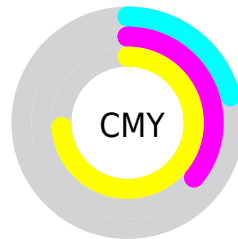


Cyan (0%)

Magenta (20%)

Yellow (67%)

Black (21%)



Cyan (21%)

Magenta (36%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2906, 38.8025, 10.7817 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 38.2906, 38.8025, 10.7817 by changing the saturation by 10% instead.

■ 38.2906, 38.8025,
10.7817

■ 38.2906, 38.8025,
10.7817

330.1243,
341.0501, 206.8471

■ 26.3865, 26.6061,
5.8079

■ 71.8544, 73.3365,
27.8862

■ 17.2472, 17.2776,
2.6617

■ 94.2448, 96.4429,
40.8541

■ 10.5073, 10.4326,
0.9241

■ 120.8614,
123.9548, 57.3237

■ 5.8014, 5.6867,
0.0000

■ 152.0695,
156.2566, 77.7136

■ 2.7642, 2.6555,
0.0000

■ 188.2345,
193.7326, 102.4423

■ 1.0303, 0.9547,
0.0000

229.7217,

■ 0.0000, 0.0000,

236.7672, 131.9285

0.0000

276.8965,
285.7449, 166.5905

■ 38.2906, 38.8025,
10.7817

■ 38.2906, 38.8025,
10.7817

■ 36.7581, 36.5442,
7.7849

■ 40.0864, 41.2495,
14.9095

■ 35.4625, 34.4582,
5.7950

■ 42.1632, 43.8887,
20.2704

■ 34.3732, 32.5329,
4.6517

■ 44.5401, 46.7304,
26.9576

■ 34.0531, 31.9487,
4.3719

■ 47.2336, 49.7823,
35.0546

■ 50.2589, 53.0512,
44.6381

■ 53.6299, 56.5440,
55.7790

■ 57.3600, 60.2669,
68.5440

■ 61.4616, 64.2258,
82.9955

■ 65.9464, 68.4265,
99.1930

Harmonies

Analogous

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



46.9823, 38.8025, 14.4306



38.2906, 38.8025, 10.7817



30.4137, 38.8025, 12.5685

Triad

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



38.2906, 38.8025, 10.7817



24.0375, 38.8025, 65.2005



51.8691, 38.8025, 74.8659

Complementary

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



38.2906, 38.8025, 10.7817



18.2329, 15.9724, 57.9988

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.



44.2048, 38.8025, 99.9461



38.2906, 38.8025, 10.7817



28.3418, 38.8025, 93.0322

Square

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



38.2906, 38.8025, 10.7817



22.9477, 38.8025, 38.3858



35.5057, 38.8025, 107.6201



55.5487, 38.8025, 46.3638

Rectangle

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



38.2906, 38.8025, 10.7817



26.5317, 38.8025, 17.1779



35.5057, 38.8025, 107.6201



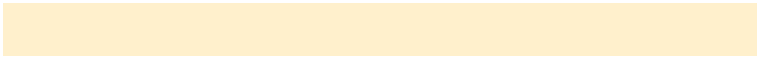
49.6215, 38.8025, 84.3484

Sweetspot

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



38.2915, 38.8044, 10.7825



83.2670, 87.8755, 69.6998



29.0446, 17.6433, 15.9234



17.5098, 18.4712, 13.9273



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.



38.2915, 38.8044, 10.7825



61.2549, 60.3337, 11.5491



39.8129, 51.7601, 13.2030



11.8623, 12.5135, 11.8696



21.9935, 20.7200, 2.8402



1.1986, 1.1970, 0.1679

Inverse Universe

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



18.2329, 15.9724, 57.9988



25.1475, 19.3883, 97.0246



17.2843, 10.6587, 57.0232



10.8681, 11.3767, 14.1935



7.9627, 4.9494, 36.4919



0.4774, 0.3886, 1.9048

Previews

White Background



This preview shows how the XYZ color 38.2906, 38.8025, 10.7817 looks on a white background.

Color Contrast Check

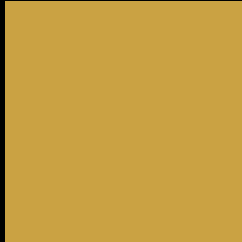
Large Text (above 18pt) WCAG AA × Fail

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 38.2906, 38.8025, 10.7817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

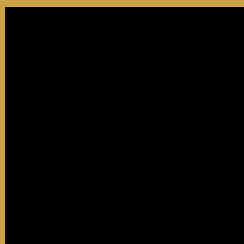
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2906, 38.8025, 10.7817

Background



This preview shows how black text looks on a background with the XYZ color 38.2906, 38.8025, 10.7817.



This preview shows how white text looks on a background with the XYZ color 38.2906, 38.8025,

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

38.2906, 38.8025, 10.7817

Protanopia

35.5703, 38.9997, 11.2832

Deuteranopia

39.4539, 38.6235, 10.8445



Tritanopia

44.2236, 38.6921, 40.2594

Trichromacy



Original Color

38.2906, 38.8025, 10.7817

Protanomaly

36.4178, 38.8963, 11.0571

Deuteranomaly

39.0678, 38.6808, 10.8759

Tritanomaly

41.3045, 38.4837, 26.0200

Monochromacy



Original Color

38.2906, 38.8025, 10.7817

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.1249, 37.1000, 25.7318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2906, 38.8025, 10.7817 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(202, 162, 67)` looks like.

```
.text, #text, p{  
    color:rgb(202, 162, 67)  
}
```

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(202, 162, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 162, 67) }
```

Border

The CSS property to change the border of an element to XYZ 38.2906, 38.8025, 10.7817 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(202, 162, 67) }
```


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

```
.border{ border-color:rgb(202, 162, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 162, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 162, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 162, 67);  
box-shadow:4px 4px 4px 4px rgb(202, 162,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2906, 38.8025, 10.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 162, 67) }
```

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

```
.background{ background-color: rgb(202,  
162, 67) }
```

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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