

Converting Colors

XYZ(38.1920, 40.4468, 5.7941)

Have a look what the booklet for
XYZ(38.1920, 40.4468, 5.7941)
contains.

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Color

**XYZ(38.0900, 40.4228,
5.7948)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C9A800 |
| RGB | 201, 168, 0 |
| RGB Percent | 79%, 66%, 0% |
| CMY | 0.2118, 0.3412, 0.9999 |
| CMYK | 0.00, 0.16, 1.00, 0.21 |
| HSL | 50°, 100%, 39% |
| HSV | 50°, 100%, 79% |
| XYZ | 38.0900, 40.4228, 5.7948 |
| YIQ | 158.7150, 73.5960, -45.2520 |

Conversions

Conversions Part 2

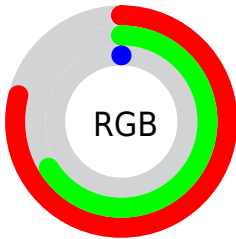
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 39, 201, 0 |
| Decimal | 13215744 |
| CIE _{Lab} | 69.77, -1.06, 72.65 |
| CIE _{LCh} | 70, 72.657, 90.839 |
| Yxy | 40.4228, 0.4518, 0.4795 |
| Android (android.graphics.Color) | 4291405824 (0xFFC9A800) |
| YUV | 158.7150, -78.2465, 37.0839 |
| Hunter-Lab | 63.5789, -4.3242, 39.1014 |

Details

The XYZ color **38.0900, 40.4228, 5.7948** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.0868, 5.3053, 55.6975**, and the grayscale version is **33.1487, 34.8750, 37.9789**.

A 20% lighter version of the original color is **68.9672, 74.5712, 17.7799**, and **17.5166, 18.4734, 2.6425** is the 20% darker color. If you saturate the color by 10%, you get **38.0904, 40.4238, 5.7950**, and if you desaturate by 10%, it is **38.8351, 41.7096, 6.6711**.

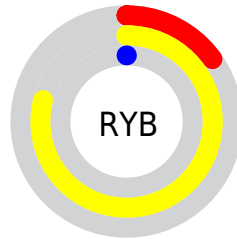
Distribution



Red (79%)

Green (66%)

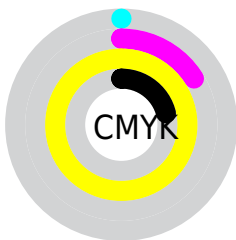
Blue (0%)



Red (15%)

Yellow (79%)

Blue (0%)

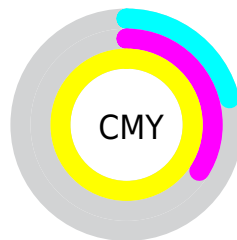


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0900, 40.4228, 5.7948 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 38.0900, 40.4228, 5.7948 by changing the saturation by 10% instead.

■ 38.0900, 40.4228,
5.7948

■ 38.0900, 40.4228,
5.7948

329.2801,
347.9024, 166.4676

■ 26.2301, 27.8683,
2.6539

■ 71.5491, 75.8069,
17.9737

■ 17.1294, 18.2264,
0.9201

■ 93.8789, 99.4054,
27.8489

■ 10.4227, 11.1127,
0.0000

■ 120.4295,
127.4539, 40.8059

■ 5.7445, 6.1427,
0.0000

■ 151.5661,
160.3370, 57.2633

■ 2.7295, 2.9320,
0.0000

■ 187.6541,
198.4390, 77.6396

■ 1.0124, 1.0964,
0.0000

■ 229.0589,

■ 0.0000, 0.0000,

242.1443, 102.3534

0.0000

276.1457,
291.8373, 131.8232

■ 38.0900, 40.4228,
5.7948

■ 38.0900, 40.4228,
5.7948

■ 38.0904, 40.4238,
5.7950

■ 38.8351, 41.7096,
6.6711

■ 39.7270, 43.0784,
8.2478

■ 40.8125, 44.5497,
10.7667

■ 42.1159, 46.1335,
14.3550

■ 43.6577, 47.8381,
19.1203

■ 45.4560, 49.6708,
25.1572

■ 47.5269, 51.6384,
32.5504

■ 49.8853, 53.7470,
41.3775

■ 52.5449, 56.0021,
51.7102

Harmonies

Analogous

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



50.5493, 40.4228, 8.1917



38.0900, 40.4228, 5.7948



27.9390, 40.4228, 8.5052

Triad

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



38.0900, 40.4228, 5.7948



22.0683, 40.4228, 86.3495



61.7911, 40.4228, 83.7972

Complementary

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



38.0900, 40.4228, 5.7948



11.0868, 5.3053, 55.6975

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.



51.2421, 40.4228, 126.5192



38.0900, 40.4228, 5.7948



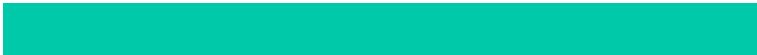
28.4061, 40.4228, 128.4489

Square

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



38.0900, 40.4228, 5.7948



19.9300, 40.4228, 44.9701



38.7532, 40.4228, 145.9684



65.8133, 40.4228, 43.0707

Rectangle

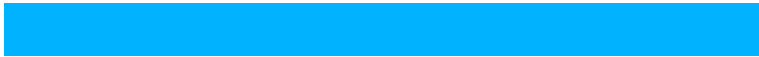
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0900, 40.4228, 5.7948



23.3971, 40.4228, 14.4416



38.7532, 40.4228, 145.9684



58.7972, 40.4228, 99.0088

Sweetspot

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



38.0909, 40.4248, 5.7956



81.2100, 88.2621, 55.1392



24.3691, 12.5304, 2.6110



17.0471, 18.5782, 10.5905



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.



38.0909, 40.4248, 5.7956



65.0693, 68.9186, 9.8731



30.7187, 46.8416, 7.4227



11.3700, 12.1091, 11.3008



24.0071, 25.5315, 3.6628



1.1773, 1.2901, 0.1870

Inverse Universe

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



11.0868, 5.3053, 55.6975



18.8730, 8.8661, 95.3243



12.8581, 5.4110, 55.6245



10.1950, 10.5641, 13.4192



7.0160, 3.4258, 35.0358



0.3775, 0.2528, 1.6740

Previews

White Background



This preview shows how the XYZ color 38.0900, 40.4228, 5.7948 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 38.0900, 40.4228, 5.7948 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 38.0900, 40.4228, 5.7948

Background



This preview shows how black text looks on a background with the XYZ color 38.0900, 40.4228, 5.7948.

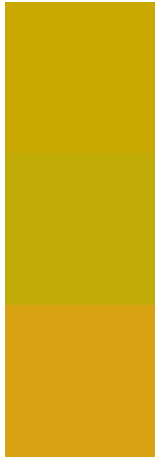


This preview shows how white text looks on a background with the XYZ color 38.0900, 40.4228,

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

38.0900, 40.4228, 5.7948

Protanopia

36.5936, 40.4786, 6.0855

Deuteranopia

41.3484, 40.4833, 6.2070



Tritanopia

45.5347, 40.3057, 42.4256

Trichromacy



Original Color

38.0900, 40.4228, 5.7948

Protanomaly

37.1616, 40.4940, 5.9724

Deuteranomaly

40.1998, 40.4240, 6.0005

Tritanomaly

40.9568, 39.4685, 19.3695

Monochromacy



Original Color

38.0900, 40.4228, 5.7948

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7249, 35.7789, 17.4932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0900, 40.4228, 5.7948 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(201, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 168, 0)  
}
```

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(201, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.0900, 40.4228, 5.7948 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(201, 168, 0) }
```


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

```
.border{ border-color:rgb(201, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(201, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 168,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0900, 40.4228, 5.7948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 168, 0) }
```

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

```
.background{ background-color: rgb(201,  
168, 0) }
```

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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