

Converting Colors

XYZ(38.8468, 40.0459, 7.8014)

Have a look what the booklet for
XYZ(38.8468, 40.0459, 7.8014)
contains.

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Color

**XYZ(38.7572, 39.9077,
7.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA529
RGB	204, 165, 41
RGB Percent	80%, 65%, 16%
CMY	0.2000, 0.3529, 0.8392
CMYK	0.00, 0.19, 0.80, 0.20
HSL	46°, 67%, 48%
HSV	46°, 80%, 80%
XYZ	38.7572, 39.9077, 7.7581
YIQ	162.5250, 63.0480, -30.2960

Conversions

Conversions Part 2

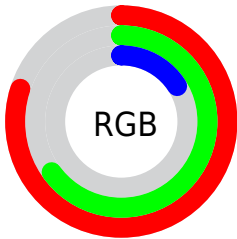
Format	Color
RYB	92, 204, 41
Decimal	13411625
CIELab	69.40, 2.65, 64.33
CIELCh	69, 64.388, 87.638
Yxy	39.9077, 0.4485, 0.4618
Android (android.graphics.Color)	4291601705 (0xFFCCA529)
YUV	162.5250, -59.9118, 36.3736
Hunter-Lab	63.1725, -1.0398, 36.9395

Details

The XYZ color **38.7572, 39.9077, 7.7581** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **14.6823, 10.5683, 58.3924**, and the grayscale version is **34.8423, 36.6569, 39.9193**.

A 20% lighter version of the original color is **68.9909, 73.3095, 21.8232**, and **17.6944, 18.0544, 2.5522** is the 20% darker color. If you saturate the color by 10%, you get **37.6259, 38.0750, 6.0565**, and if you desaturate by 10%, it is **40.1083, 41.8853, 10.4431**.

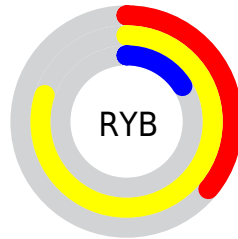
Distribution



Red (80%)

Green (65%)

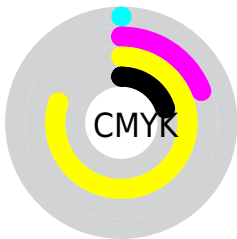
Blue (16%)



Red (36%)

Yellow (80%)

Blue (16%)

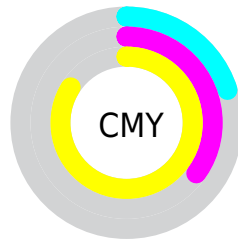


Cyan (0%)

Magenta (19%)

Yellow (80%)

Black (20%)



Cyan (20%)

Magenta (35%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7572, 39.9077, 7.7581 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 38.7572, 39.9077, 7.7581 by changing the saturation by 10% instead.

■ 38.7572, 39.9077,
7.7581

■ 38.7572, 39.9077,
7.7581

332.0821,
345.7344, 183.6853

■ 26.7508, 27.4666,
3.8550

■ 72.5637, 75.0229,
22.0211

■ 17.5218, 17.9240,
1.5461

■ 95.0945, 98.4659,
33.2181

■ 10.7048, 10.8954,
0.2520

■ 121.8641,
126.3448, 47.6836

■ 5.9345, 5.9965,
0.0000

■ 153.2379,
159.0443, 65.8359

■ 2.8456, 2.8430,
0.0000

■ 189.5812,
196.9485, 88.0937

■ 1.0726, 1.0503,
0.0000

■ 231.2595,

■ 0.0020, 0.0000,

240.4421, 114.8755

0.0000

278.6380,
289.9092, 146.5999

■ 0.0000, 0.0000,
0.0000

■ 38.7572, 39.9077,
7.7581

■ 38.7572, 39.9077,
7.7581

■ 37.6259, 38.0750,
6.0565

■ 40.1083, 41.8853,
10.4431

■ 36.6649, 36.3620,
5.0920

■ 41.7018, 44.0125,
14.2412

■ 36.6556, 36.3451,
5.0833

■ 43.5601, 46.3007,
19.2649

■ 45.7023, 48.7578,
25.6120

■ 48.1453, 51.3913,
33.3706

■ 50.9048, 54.2079,
42.6211

■ 53.9951, 57.2140,
53.4379

■ 57.4297, 60.4155,
65.8902

■ 61.2214, 63.8180,
80.0432

Harmonies

Analogous

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



49.6134, 39.9077, 10.8982



38.7572, 39.9077, 7.7581



29.4269, 39.9077, 9.9904

Triad

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



38.7572, 39.9077, 7.7581



22.8896, 39.9077, 75.6222



57.3498, 39.9077, 81.6629

Complementary

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



38.7572, 39.9077, 7.7581



14.6823, 10.5683, 58.3924

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.



47.9336, 39.9077, 116.0395



38.7572, 39.9077, 7.7581



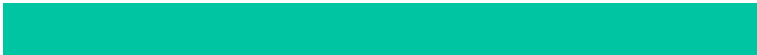
28.2436, 39.9077, 111.5766

Square

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



38.7572, 39.9077, 7.7581



21.3172, 39.9077, 41.1458



37.1168, 39.9077, 128.9150



61.4959, 39.9077, 45.8443

Rectangle

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



38.7572, 39.9077, 7.7581



25.0430, 39.9077, 15.2491



37.1168, 39.9077, 128.9150



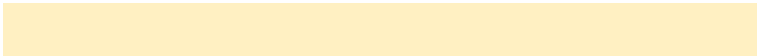
54.6207, 39.9077, 94.2902

Sweetspot

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



38.7581, 39.9096, 7.7589



82.2210, 87.6777, 63.5112



27.2084, 15.0290, 9.4005



17.2507, 18.4092, 12.4346



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.



38.7581, 39.9096, 7.7589



61.1341, 60.9589, 8.8370



37.1487, 51.1586, 10.0150



11.9176, 12.6241, 11.8880



23.1468, 23.0265, 3.2246



1.2504, 1.3004, 0.1851

Inverse Universe

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



14.6823, 10.5683, 58.3924



20.2914, 11.5132, 95.7605



15.1504, 7.7287, 57.8196



10.8160, 11.2725, 14.1761



7.6072, 4.2383, 36.3734



0.4532, 0.3402, 1.8967

Previews

White Background



This preview shows how the XYZ color 38.7572, 39.9077, 7.7581 looks on a white background.

Color Contrast Check

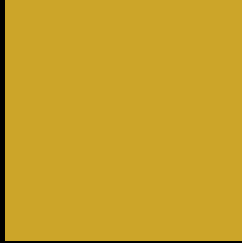
Large Text (above 18pt) WCAG AA × Fail

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 38.7572, 39.9077, 7.7581 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 38.7572, 39.9077, 7.7581

Background



This preview shows how black text looks on a background with the XYZ color 38.7572, 39.9077, 7.7581.



This preview shows how white text looks on a background with the XYZ color 38.7572, 39.9077,

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

38.7572, 39.9077, 7.7581

Protanopia

36.2785, 39.9930, 7.9978

Deuteranopia

40.6215, 39.8103, 7.8287



Tritanopia

45.5899, 39.8614, 41.3676

Trichromacy



Original Color

38.7572, 39.9077, 7.7581

Protanomaly

37.1855, 39.9082, 7.9337

Deuteranomaly

39.9166, 39.7095, 7.7514

Tritanomaly

41.9725, 39.3895, 23.4799

Monochromacy



Original Color

38.7572, 39.9077, 7.7581

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.9653, 37.3478, 22.8187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7572, 39.9077, 7.7581 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, 165, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 41)  
}
```

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, 165, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 41) }
```

Border

The CSS property to change the border of an element to XYZ 38.7572, 39.9077, 7.7581 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, 165, 41) }
```


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

```
.border{ border-color:rgb(204, 165, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7572, 39.9077, 7.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 41) }
```

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

```
.background{ background-color: rgb(204,  
165, 41) }
```

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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