

Converting Colors

XYZ(39.5553, 37.8569, 5.2223)

Have a look what the booklet for
XYZ(39.5553, 37.8569, 5.2223)
contains.

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Color

**XYZ(39.4529, 37.7388,
5.2049)**

Conversions

Conversions Part 1

Format	Color
Hex	D69B00
RGB	214, 155, 0
RGB Percent	84%, 61%, 0%
CMY	0.1608, 0.3921, 0.9999
CMYK	0.00, 0.28, 1.00, 0.16
HSL	43°, 100%, 42%
HSV	43°, 100%, 84%
XYZ	39.4529, 37.7388, 5.2049
YIQ	154.9710, 84.9190, -35.6970

Conversions

Conversions Part 2

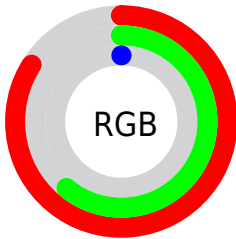
Format	Color
R_YB	81, 214, 0
Decimal	14064384
CIE Lab	67.83, 11.65, 71.95
CIE LCh	68, 72.883, 80.800
Yxy	37.7388, 0.4788, 0.4580
Android (android.graphics.Color)	4292254464 (0xFFD69B00)
YUV	154.9710, -76.4007, 51.7684
Hunter-Lab	61.4319, 7.1307, 37.9789

Details

The XYZ color **39.4529, 37.7388, 5.2049** 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 **13.7020, 7.9837, 64.4367**, and the grayscale version is **31.4457, 33.0833, 36.0277**.

A 20% lighter version of the original color is **65.3105, 67.3689, 16.2179**, and **18.2767, 16.7707, 2.2738** is the 20% darker color. If you saturate the color by 10%, you get **39.4531, 37.7395, 5.2050**, and if you desaturate by 10%, it is **40.5989, 39.8085, 6.2737**.

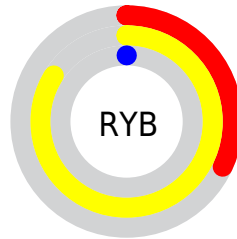
Distribution



Red (84%)

Green (61%)

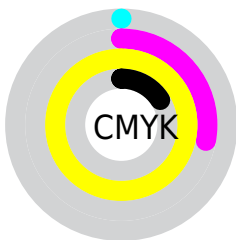
Blue (0%)



Red (32%)

Yellow (84%)

Blue (0%)

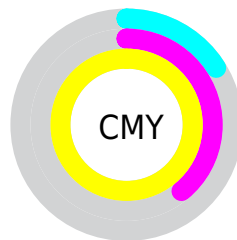


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4529, 37.7388, 5.2049 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 39.4529, 37.7388, 5.2049 by changing the saturation by 10% instead.


 39.4529, 37.7388,
5.2049


 39.4529, 37.7388,
5.2049


334.9863,
336.4982, 160.8008


 27.2945, 25.7800,
2.3071


 73.6193, 71.7076,
16.7050

 17.9323, 16.6591,
0.7352


 96.3581, 94.4864,
26.1445


 11.0008, 9.9918,
0.0000


 123.3544,
121.6407, 38.6016

 6.1347, 5.3935,
0.0000

 154.9736,
153.5549, 54.4949

 2.9686, 2.4799,
0.0000

 191.5811,
190.6133, 74.2429


 1.1372, 0.8666,
0.0000


 233.5421,


 0.0559, 0.0000,


233.2004, 98.2642


0.0000


 281.2220,
281.7006, 126.9773


 0.0000, 0.0000,
0.0000


 39.4529, 37.7388,
5.2049


 39.4529, 37.7388,
5.2049


 39.4531, 37.7395,
5.2050

 40.5989, 39.8085,
6.2737

 41.9470, 42.0352,
8.1703

 43.5499, 44.4427,
11.1653

 45.4365, 47.0436,
15.4081

 47.6313, 49.8487,
21.0247

■ 50.1559, 52.8676,
28.1257

■ 53.0298, 56.1090,
36.8102

■ 56.2706, 59.5810,
47.1688

■ 59.8948, 63.2911,
59.2852

Harmonies

Analogous

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



51.4113, 37.7388, 9.2909



39.4529, 37.7388, 5.2049



28.7006, 37.7388, 6.0690

Triad

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



39.4529, 37.7388, 5.2049



19.1642, 37.7388, 67.3552



55.4567, 37.7388, 94.2321

Complementary

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



39.4529, 37.7388, 5.2049



13.7020, 7.9837, 64.4367

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.



44.1429, 37.7388, 130.9019



39.4529, 37.7388, 5.2049



23.8257, 37.7388, 110.5424

Square

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



39.4529, 37.7388, 5.2049



18.4263, 37.7388, 31.9325



32.5101, 37.7388, 138.0696



61.8456, 37.7388, 51.8523

Rectangle

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



39.4529, 37.7388, 5.2049



23.4738, 37.7388, 9.7114



32.5101, 37.7388, 138.0696



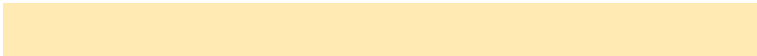
52.0041, 37.7388, 108.3972

Sweetspot

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



39.4537, 37.7407, 5.2056



78.7234, 83.2888, 54.3104



28.5642, 14.6294, 5.6828



16.4480, 17.3800, 10.3908



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.



39.4537, 37.7407, 5.2056



58.5262, 55.8324, 7.6921



40.1174, 56.3777, 8.7679



13.1699, 13.9141, 13.1523



23.9381, 22.9935, 3.1765



1.5115, 1.5221, 0.2141

Inverse Universe

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



13.7020, 7.9837, 64.4367



20.2590, 11.6380, 95.7863



13.2814, 5.4449, 63.9688



12.0185, 12.5604, 15.7285



8.3570, 4.9757, 38.9731



0.5734, 0.4388, 2.3738

Previews

White Background



This preview shows how the XYZ color 39.4529, 37.7388, 5.2049 looks on a white background.

Color Contrast Check

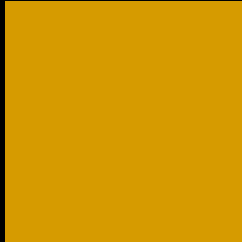
Large Text (above 18pt) WCAG AA × Fail

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 39.4529, 37.7388, 5.2049 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 39.4529, 37.7388, 5.2049

Background



This preview shows how black text looks on a background with the XYZ color 39.4529, 37.7388, 5.2049.



This preview shows how white text looks on a background with the XYZ color 39.4529, 37.7388,

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

39.4529, 37.7388, 5.2049

Protanopia

34.2024, 37.8663, 5.8870

Deuteranopia

38.6353, 37.8156, 5.2628



Tritanopia

45.7084, 37.6852, 35.8752

Trichromacy



Original Color

39.4529, 37.7388, 5.2049

Protanomaly

35.9901, 37.7285, 5.6152

Deuteranomaly

38.7524, 37.6258, 5.2200

Tritanomaly

41.7555, 36.9861, 16.7427

Monochromacy



Original Color

39.4529, 37.7388, 5.2049

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.8780, 33.5736, 16.6046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4529, 37.7388, 5.2049 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(214, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 155, 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(214, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.4529, 37.7388, 5.2049 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(214, 155, 0) }
```


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

```
.border{ border-color:rgb(214, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4529, 37.7388, 5.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 155, 0) }
```

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

```
.background{ background-color: rgb(214,  
155, 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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