

Converting Colors

XYZ(37.9367, 38.9072, 5.5104)

Have a look what the booklet for
XYZ(37.9367, 38.9072, 5.5104)
contains.

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Color

**XYZ(37.9990, 39.0318,
5.5311)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA300
RGB	204, 163, 0
RGB Percent	80%, 64%, 0%
CMY	0.2000, 0.3608, 0.9999
CMYK	0.00, 0.20, 1.00, 0.20
HSL	48°, 100%, 40%
HSV	48°, 100%, 80%
XYZ	37.9990, 39.0318, 5.5311
YIQ	156.6770, 76.7590, -42.0010

Conversions

Conversions Part 2

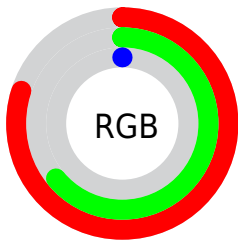
Format	Color
RYB	51, 204, 0
Decimal	13411072
CIELab	68.77, 2.93, 72.09
CIELCh	69, 72.151, 87.670
Yxy	39.0318, 0.4602, 0.4728
Android (android.graphics.Color)	4291601152 (0xFFCCA300)
YUV	156.6770, -77.2418, 41.5023
Hunter-Lab	62.4754, -0.7642, 38.4837

Details

The XYZ color **37.9990, 39.0318, 5.5311** 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 **11.6923, 5.9461, 57.6576**, and the grayscale version is **32.2162, 33.8939, 36.9105**.

A 20% lighter version of the original color is **67.6510, 71.9386, 17.3411**, and **17.4712, 17.6081, 2.4779** is the 20% darker color. If you saturate the color by 10%, you get **37.9993, 39.0327, 5.5313**, and if you desaturate by 10%, it is **38.8696, 40.5653, 6.4626**.

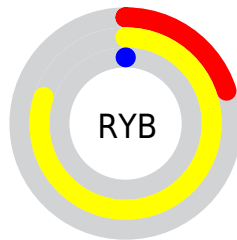
Distribution



Red (80%)

Green (64%)

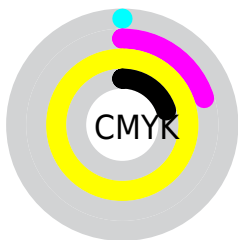
Blue (0%)



Red (20%)

Yellow (80%)

Blue (0%)

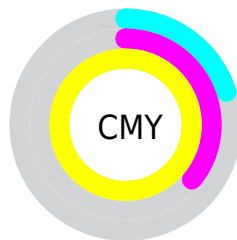


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9990, 39.0318, 5.5311 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 37.9990, 39.0318, 5.5311 by changing the saturation by 10% instead.


 37.9990, 39.0318,
5.5311


 37.9990, 39.0318,
5.5311


328.8966,
342.0257, 163.9682


 26.1591, 26.7845,
2.4980


 71.4105, 73.6869,
17.4101


 17.0760, 17.4114,
0.8391


 93.7129, 96.8634,
27.0932


 10.3843, 10.5283,
0.0000


 120.2334,
124.4519, 39.8299

 5.7187, 5.7506,
0.0000

 151.3375,
156.8365, 56.0389

 2.7138, 2.6940,
0.0000

 187.3905,
194.4019, 76.1387

 1.0043, 0.9742,
0.0000

 228.7578,

 0.0000, 0.0000,

237.5322, 100.5478

0.0000

275.8047,
286.6120, 129.6848

37.9990, 39.0318,
5.5311

37.9990, 39.0318,
5.5311

37.9993, 39.0327,
5.5313

38.8696, 40.5653,
6.4626

39.9002, 42.1994,
8.1232

41.1390, 43.9551,
10.7611

42.6111, 45.8430,
14.5085

44.3381, 47.8720,
19.4773

■ 46.3387, 50.0499,
25.7653

■ 48.6299, 52.3837,
33.4606

■ 51.2270, 54.8801,
42.6436

■ 54.1444, 57.5450,
53.3887

Harmonies

Analogous

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



50.1357, 39.0318, 8.4163



37.9990, 39.0318, 5.5311



27.8004, 39.0318, 7.5767

Triad

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



37.9990, 39.0318, 5.5311



20.8411, 39.0318, 78.9381



58.9384, 39.0318, 85.8245

Complementary

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



37.9990, 39.0318, 5.5311



11.6923, 5.9461, 57.6576

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.



48.2682, 39.0318, 126.1578



37.9990, 39.0318, 5.5311



26.5434, 39.0318, 120.9472

Square

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



37.9990, 39.0318, 5.5311



19.1880, 39.0318, 39.9918



36.2124, 39.0318, 141.5007



63.6733, 39.0318, 45.1089

Rectangle

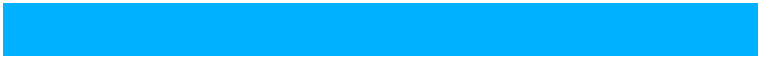
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.9990, 39.0318, 5.5311



23.1083, 39.0318, 12.6445



36.2124, 39.0318, 141.5007



55.8320, 39.0318, 100.5298

Sweetspot

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



37.9999, 39.0337, 5.5319



80.3764, 86.5949, 54.8614



25.3603, 13.0210, 3.5804



16.8458, 18.1756, 10.5234



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.



37.9999, 39.0337, 5.5319



62.7746, 64.3292, 9.1082



33.4829, 49.3149, 7.7544



11.9549, 12.6988, 11.9005



23.9847, 24.7023, 3.5039



1.2872, 1.3741, 0.1974

Inverse Universe

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



11.6923, 5.9461, 57.6576



19.2446, 9.6091, 95.4482



12.6330, 5.2537, 57.4744



10.7813, 11.2031, 14.1645



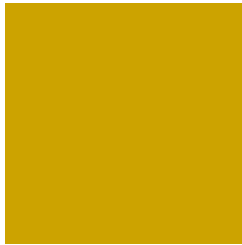
7.4125, 3.8490, 36.3085



0.4373, 0.3084, 1.8914

Previews

White Background



This preview shows how the XYZ color 37.9990, 39.0318, 5.5311 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 37.9990, 39.0318, 5.5311 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 37.9990, 39.0318, 5.5311

Background



This preview shows how black text looks on a background with the XYZ color 37.9990, 39.0318, 5.5311.



This preview shows how white text looks on a background with the XYZ color 37.9990, 39.0318,

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

37.9990, 39.0318, 5.5311

Protanopia

35.4725, 39.3428, 5.9828

Deuteranopia

39.6288, 38.8250, 5.8208



Tritanopia

44.9905, 39.0979, 39.8257

Trichromacy



Original Color

37.9990, 39.0318, 5.5311

Protanomaly

36.3573, 39.2527, 5.8326

Deuteranomaly

38.9146, 38.7166, 5.6805

Tritanomaly

40.6817, 38.3317, 18.3513

Monochromacy



Original Color

37.9990, 39.0318, 5.5311

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1539, 34.7150, 17.0626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9990, 39.0318, 5.5311 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, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 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(204, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.9990, 39.0318, 5.5311 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, 163, 0) }
```


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

```
.border{ border-color:rgb(204, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9990, 39.0318, 5.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 0) }
```

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

```
.background{ background-color: rgb(204,  
163, 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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