

Converting Colors

XYZ(39.1216, 41.2769, 5.9053)

Have a look what the booklet for
XYZ(39.1216, 41.2769, 5.9053)
contains.

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Color

**XYZ(39.0898, 41.2133,
5.8947)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA900
RGB	204, 169, 0
RGB Percent	80%, 66%, 0%
CMY	0.2000, 0.3372, 0.9999
CMYK	0.00, 0.17, 1.00, 0.20
HSL	50°, 100%, 40%
HSV	50°, 100%, 80%
XYZ	39.0898, 41.2133, 5.8947
YIQ	160.1990, 75.1090, -45.1390

Conversions

Conversions Part 2

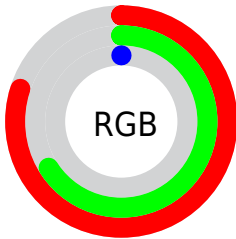
Format	Color
R _Y B	42, 204, 0
Decimal	13412608
CIE Lab	70.33, -0.26, 73.18
CIE LCh	70, 73.177, 90.204
Yxy	41.2133, 0.4535, 0.4781
Android (android.graphics.Color)	4291602688 (0xFFCCA900)
YUV	160.1990, -78.9781, 38.4135
Hunter-Lab	64.1976, -3.6574, 39.4942

Details

The XYZ color **39.0898, 41.2133, 5.8947** 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 **11.5005, 5.5623, 57.5938**, and the grayscale version is **33.8363, 35.5984, 38.7667**.

A 20% lighter version of the original color is **69.2708, 75.1214, 18.0566**, and **18.0383, 18.7423, 2.6669** is the 20% darker color. If you saturate the color by 10%, you get **39.0901, 41.2143, 5.8949**, and if you desaturate by 10%, it is **39.8805, 42.5870, 6.7996**.

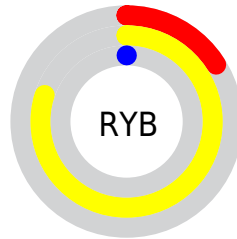
Distribution



Red (80%)

Green (66%)

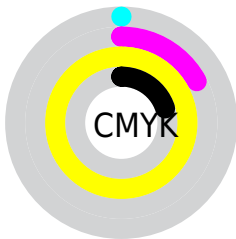
Blue (0%)



Red (16%)

Yellow (80%)

Blue (0%)

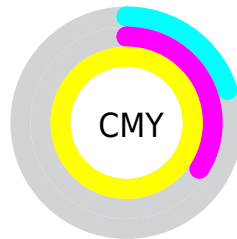


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0898, 41.2133, 5.8947 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 39.0898, 41.2133, 5.8947 by changing the saturation by 10% instead.


 39.0898, 41.2133,
5.8947


 39.0898, 41.2133,
5.8947


333.4727,
351.2113, 167.4010


 27.0106, 28.4858,
2.7134


 73.0687, 77.0076,
18.1858


 17.7178, 18.6922,
0.9502


 95.6991, 100.8431,
28.1327

 10.8461, 11.4481,
0.0000


 122.5773,
129.1502, 41.1719

 6.0299, 6.3691,
0.0000

 154.0687,
162.3131, 57.7219

 2.9041, 3.0708,
0.0000

 190.5385,
200.7163, 78.2013

 1.1033, 1.1688,
0.0000

 232.3523,

 0.0279, 0.0360,

244.7441, 103.0286

0.0000

279.8752,
294.7810, 132.6223

0.0000, 0.0000,
0.0000

39.0898, 41.2133,
5.8947

39.0898, 41.2133,
5.8947

39.0901, 41.2143,
5.8949

39.8805, 42.5870,
6.7996

40.8249, 44.0487,
8.4315

41.9712, 45.6193,
11.0387

43.3444, 47.3093,
14.7533

44.9659, 49.1273,
19.6870

■ 46.8545, 51.0811,
25.9378

■ 49.0270, 53.1776,
33.5937

■ 51.4987, 55.4231,
42.7351

■ 54.2839, 57.8235,
53.4363

Harmonies

Analogous

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



51.8152, 41.2133, 8.4571



39.0898, 41.2133, 5.8947



28.6576, 41.2133, 8.5348

Triad

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



39.0898, 41.2133, 5.8947



22.4008, 41.2133, 87.0878



62.8456, 41.2133, 86.4545

Complementary

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



39.0898, 41.2133, 5.8947



11.5005, 5.5623, 57.5938

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.



51.9871, 41.2133, 129.8267



39.0898, 41.2133, 5.8947



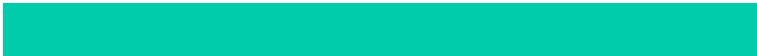
28.7734, 41.2133, 130.3056

Square

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



39.0898, 41.2133, 5.8947



20.3080, 41.2133, 45.1103



39.2543, 41.2133, 148.9383



67.1262, 41.2133, 44.6391

Rectangle

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



39.0898, 41.2133, 5.8947



23.9630, 41.2133, 14.4429



39.2543, 41.2133, 148.9383



59.7473, 41.2133, 101.9693

Sweetspot

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



39.0907, 41.2153, 5.8955



81.0415, 87.9251, 55.0831



25.2423, 12.9738, 2.9582



17.0064, 18.4967, 10.5770



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.



39.0907, 41.2153, 5.8955



64.5975, 67.9750, 9.7158



32.3079, 48.7093, 7.6995



11.9837, 12.7564, 11.9101



24.6641, 26.0611, 3.7304



1.3167, 1.4331, 0.2072

Inverse Universe

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



11.5005, 5.5623, 57.5938



18.9412, 9.0025, 95.3471



13.0535, 5.4705, 57.4942



10.7547, 11.1499, 14.1557



7.2857, 3.5953, 36.2662



0.4251, 0.2840, 1.8874

Previews

White Background



This preview shows how the XYZ color 39.0898, 41.2133, 5.8947 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 39.0898, 41.2133, 5.8947 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 39.0898, 41.2133, 5.8947

Background



This preview shows how black text looks on a background with the XYZ color 39.0898, 41.2133, 5.8947.



This preview shows how white text looks on a background with the XYZ color 39.0898, 41.2133,

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

39.0898, 41.2133, 5.8947

Protanopia

37.2355, 41.3740, 6.2532

Deuteranopia

42.1118, 41.1403, 6.2517



Tritanopia

46.6590, 41.1246, 43.0148

Trichromacy



Original Color

39.0898, 41.2133, 5.8947

Protanomaly

38.0686, 41.5218, 6.1517

Deuteranomaly

40.9561, 41.0806, 6.0873

Tritanomaly

42.0300, 40.2741, 19.7458

Monochromacy



Original Color

39.0898, 41.2133, 5.8947

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.4000, 36.3838, 17.8328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0898, 41.2133, 5.8947 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, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 169, 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, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.0898, 41.2133, 5.8947 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, 169, 0) }
```


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

```
.border{ border-color:rgb(204, 169, 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, 169, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 169,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0898, 41.2133, 5.8947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 169, 0) }
```

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

```
.background{ background-color: rgb(204,  
169, 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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