

Converting Colors

XYZ(38.8909, 41.8059, 9.8084)

Have a look what the booklet for
XYZ(38.8909, 41.8059, 9.8084)
contains.

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Color

**XYZ(39.0195, 41.9327,
9.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	C7AC38
RGB	199, 172, 56
RGB Percent	78%, 67%, 22%
CMY	0.2196, 0.3255, 0.7804
CMYK	0.00, 0.14, 0.72, 0.22
HSL	49°, 56%, 50%
HSV	49°, 72%, 78%
XYZ	39.0195, 41.9327, 9.7786
YIQ	166.8490, 53.3280, -30.3520

Conversions

Conversions Part 2

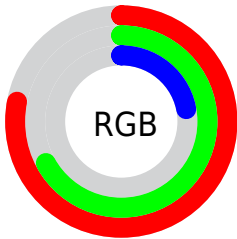
Format	Color
R_{YB}	89, 199, 56
Decimal	13085752
CIE _{Lab}	70.82, -2.64, 60.13
CIE _{LCh}	71, 60.191, 92.510
Yxy	41.9327, 0.4301, 0.4622
Android (android.graphics.Color)	4291275832 (0xFFC7AC38)
YUV	166.8490, -54.6486, 28.1964
Hunter-Lab	64.7555, -5.7639, 36.3756

Details

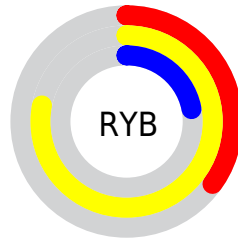
The XYZ color **39.0195, 41.9327, 9.7786** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.0329, 11.1504, 55.3923**, and the grayscale version is **36.8976, 38.8191, 42.2740**.

A 20% lighter version of the original color is **71.5236, 77.3240, 25.9072**, and **17.7010, 19.0957, 2.7529** is the 20% darker color. If you saturate the color by 10%, you get **37.9217, 40.3673, 7.4703**, and if you desaturate by 10%, it is **40.3329, 43.6199, 13.1136**.

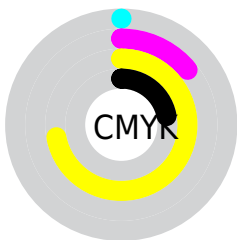
Distribution



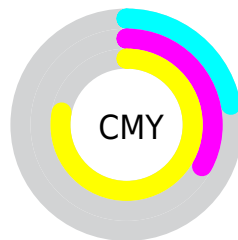
- Red (78%)
- Green (67%)
- Blue (22%)



- Red (35%)
- Yellow (78%)
- Blue (22%)



- Cyan (0%)
- Magenta (14%)
- Yellow (72%)
- Black (22%)



- Cyan (22%)
- Magenta (33%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0195, 41.9327, 9.7786 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 39.0195, 41.9327, 9.7786 by changing the saturation by 10% instead.

■ 39.0195, 41.9327,
9.7786

■ 39.0195, 41.9327,
9.7786

333.1791,
354.2039, 199.5116

■ 26.9557, 29.0486,
5.1487

■ 72.9620, 78.0978,
25.9795

■ 17.6764, 19.1176,
2.2745

■ 95.5714, 102.1475,
38.3876

■ 10.8162, 11.7553,
0.7169

■ 122.4267,
130.6879, 54.2256

■ 6.0097, 6.5773,
0.0000

■ 153.8932,
164.1034, 73.9119

■ 2.8917, 3.1992,
0.0000

■ 190.3364,
202.7783, 97.8651

■ 1.0968, 1.2366,
0.0000

232.1215,

■ 0.0224, 0.0913,

247.0971, 126.5037

0.0000

279.6140,
297.4442, 160.2464

■ 0.0000, 0.0000,
0.0000

■ 39.0195, 41.9327,
9.7786

■ 39.0195, 41.9327,
9.7786

■ 37.9217, 40.3673,
7.4703

■ 40.3329, 43.6199,
13.1136

■ 37.0118, 38.9075,
6.0574

■ 41.8795, 45.4314,
17.5808

■ 36.3738, 37.7835,
5.3758

■ 43.6785, 47.3767,
23.2752

■ 45.7459, 49.4625,
30.2811

■ 48.0964, 51.6949,
38.6755

■ 50.7438, 54.0796,
48.5292

■ 53.7007, 56.6220,
59.9084

■ 56.9790, 59.3271,
72.8749

■ 60.5900, 62.1996,
87.4875

Harmonies

Analogous

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



49.4077, 41.9327, 12.1559



39.0195, 41.9327, 9.7786



30.3881, 41.9327, 13.1816

Triad

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



39.0195, 41.9327, 9.7786



25.7389, 41.9327, 82.1144



59.4645, 41.9327, 76.0897

Complementary

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



39.0195, 41.9327, 9.7786



15.0329, 11.1504, 55.3923

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.



51.1102, 41.9327, 109.6296



39.0195, 41.9327, 9.7786



31.6219, 41.9327, 114.0117

Square

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



39.0195, 41.9327, 9.7786



23.5655, 41.9327, 48.1123



40.7039, 41.9327, 125.7405



62.3200, 41.9327, 43.2878

Rectangle

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



39.0195, 41.9327, 9.7786



26.4616, 41.9327, 19.6718



40.7039, 41.9327, 125.7405



57.1444, 41.9327, 88.0489

Sweetspot

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



39.0205, 41.9347, 9.7794



84.0113, 90.3271, 66.9790



26.5913, 15.6203, 10.1253



17.7300, 19.0986, 13.4241



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.



39.0205, 41.9347, 9.7794



65.4998, 69.2774, 11.5648



34.8669, 48.2100, 11.2096



11.3472, 12.0635, 11.2932



23.4498, 24.4168, 3.4770



1.1555, 1.2465, 0.1797

Inverse Universe

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



15.0329, 11.1504, 55.3923



21.4279, 12.9112, 95.9705



16.8580, 9.5993, 54.9967



10.2160, 10.6061, 13.4262



7.1138, 3.6215, 35.0684



0.3870, 0.2718, 1.6772

Previews

White Background



This preview shows how the XYZ color 39.0195, 41.9327, 9.7786 looks on a white background.

Color Contrast Check

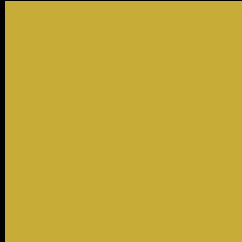
Large Text (above 18pt) WCAG AA × Fail

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 39.0195, 41.9327, 9.7786 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 39.0195, 41.9327, 9.7786

Background



This preview shows how black text looks on a background with the XYZ color 39.0195, 41.9327, 9.7786.

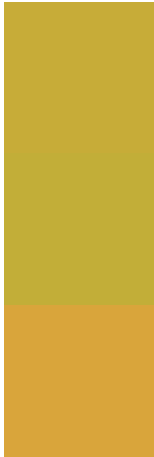


This preview shows how white text looks on a background with the XYZ color 39.0195, 41.9327,

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

39.0195, 41.9327, 9.7786

Protanopia

38.0980, 42.0270, 9.8454

Deuteranopia

42.8598, 41.9777, 9.9812



Tritanopia

46.3001, 41.9168, 45.1856

Trichromacy



Original Color

39.0195, 41.9327, 9.7786

Protanomaly

38.4223, 41.9084, 9.8054

Deuteranomaly

41.3447, 42.0124, 9.9331

Tritanomaly

42.6612, 41.5011, 26.8811

Monochromacy



Original Color

39.0195, 41.9327, 9.7786

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.6091, 39.4919, 25.7719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0195, 41.9327, 9.7786 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(199, 172, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 172, 56)  
}
```

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(199, 172, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 172, 56) }
```

Border

The CSS property to change the border of an element to XYZ 39.0195, 41.9327, 9.7786 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(199, 172, 56) }
```


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

```
.border{ border-color:rgb(199, 172, 56) }
```

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

Here you see how a box with a 4 pixel rgb(199, 172, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 172, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 172, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 172,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0195, 41.9327, 9.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 172, 56) }
```

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

```
.background{ background-color: rgb(199,  
172, 56) }
```

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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