

Converting Colors

XYZ(34.9689, 34.3239, 10.7434)

Have a look what the booklet for
XYZ(34.9689, 34.3239, 10.7434)
contains.

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Color

**XYZ(34.9689, 34.3239,
10.7434)**

Conversions

Conversions Part 1

Format	Color
Hex	C49747
RGB	196, 151, 71
RGB Percent	77%, 59%, 28%
CMY	0.2314, 0.4078, 0.7216
CMYK	0.00, 0.23, 0.64, 0.23
HSL	38°, 51%, 52%
HSV	38°, 64%, 77%
XYZ	34.9689, 34.3239, 10.7434
YIQ	155.3350, 52.5000, -15.3400

Conversions

Conversions Part 2

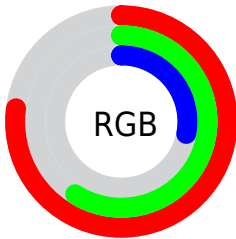
Format	Color
RYB	141, 196, 71
Decimal	12883783
CIELab	65.22, 8.19, 47.61
CIElCh	65, 48.314, 80.235
Yxy	34.3239, 0.4369, 0.4289
Android (android.graphics.Color)	4291073863 (0xFFC49747)
YUV	155.3350, -41.5772, 35.6632
Hunter-Lab	58.5866, 4.0157, 30.1382

Details

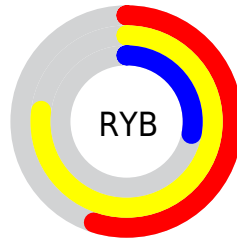
The XYZ color **34.9689, 34.3239, 10.7434** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.8075, 17.8153, 54.6717**, and the grayscale version is **31.4673, 33.1061, 36.0525**.

A 20% lighter version of the original color is **66.5842, 66.3278, 27.7055**, and **15.3222, 14.6503, 2.6363** is the 20% darker color. If you saturate the color by 10%, you get **33.3370, 31.9097, 7.5808**, and if you desaturate by 10%, it is **36.8732, 36.9586, 14.9982**.

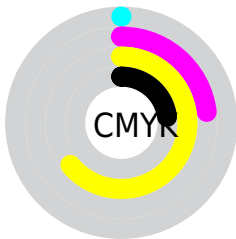
Distribution



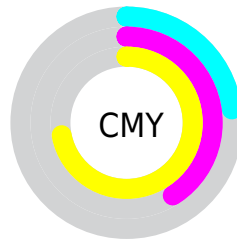
- Red (77%)
- Green (59%)
- Blue (28%)



- Red (55%)
- Yellow (77%)
- Blue (28%)



- Cyan (0%)
- Magenta (23%)
- Yellow (64%)
- Black (23%)





- Cyan (23%)
- Magenta (41%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9689, 34.3239, 10.7434 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 34.9689, 34.3239, 10.7434 by changing the saturation by 10% instead.


 34.9689, 34.3239,
10.7434


 34.9689, 34.3239,
10.7434


315.9415,
321.5739, 206.5724


 23.8053, 23.1425,
5.7826


 66.7719, 66.4370,
27.8140

 15.3132, 14.6988,
2.6467


 88.1421, 88.1376,
40.7609


 9.1273, 8.6083,
0.9164


 113.6451,
114.1134, 57.2069

 4.8821, 4.4866,
0.0000

 143.6465,
144.7487, 77.5706

 2.2123, 1.9493,
0.0000

 178.5114,
180.4281, 102.2704

 0.7492, 0.5778,
0.0000

218.6053,

 0.0000, 0.0000,

221.5358, 131.7250

0.0000

264.2935,
268.4563, 166.3528

■ 34.9689, 34.3239,
10.7434

■ 34.9689, 34.3239,
10.7434

■ 33.3370, 31.9097,
7.5808

■ 36.8732, 36.9586,
14.9982

■ 31.9536, 29.7003,
5.4011

■ 39.0664, 39.8180,
20.4363

■ 30.7937, 27.6853,
4.0752

■ 41.5659, 42.9123,
27.1418

■ 30.1552, 26.5164,
3.5288

■ 44.3873, 46.2495,
35.1901

■ 47.5448, 49.8369,
44.6509

■ 51.0515, 53.6816,
55.5890

■ 54.9201, 57.7901,
68.0651

■ 59.1623, 62.1689,
82.1365

■ 63.7895, 66.8239,
97.8577

Harmonies

Analogous

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



42.0488, 34.3239, 14.8268



34.9689, 34.3239, 10.7434



28.1716, 34.3239, 11.5589

Triad

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



34.9689, 34.3239, 10.7434



21.5206, 34.3239, 52.4122



44.1468, 34.3239, 67.9791

Complementary

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



34.9689, 34.3239, 10.7434



18.8075, 17.8153, 54.6717

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.



37.5220, 34.3239, 86.6871



34.9689, 34.3239, 10.7434



24.7243, 34.3239, 75.6908

Square

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



34.9689, 34.3239, 10.7434



21.0408, 34.3239, 31.1881



30.3860, 34.3239, 89.9278



47.8279, 34.3239, 44.3257

Rectangle

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



34.9689, 34.3239, 10.7434



24.6539, 34.3239, 14.9370



30.3860, 34.3239, 89.9278



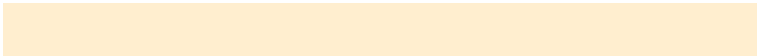
42.1492, 34.3239, 75.3654

Sweetspot

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



34.9697, 34.3256, 10.7441



82.8941, 86.6361, 71.0969



28.2194, 17.5230, 18.6737



17.3947, 18.1452, 14.1842



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.



34.9697, 34.3256, 10.7441



59.2277, 55.9867, 11.7751



39.5448, 49.5581, 13.4431



10.5986, 11.1287, 10.6513



19.4601, 17.2059, 2.2954



0.9042, 0.8702, 0.1203

Inverse Universe

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



18.8075, 17.8153, 54.6717



27.7266, 23.9264, 97.7647



16.2104, 10.5509, 53.4064



9.8184, 10.3282, 12.7609



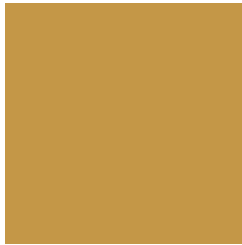
7.9066, 5.5697, 34.2149



0.4073, 0.3720, 1.5002

Previews

White Background



This preview shows how the XYZ color 34.9689, 34.3239, 10.7434 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 34.9689, 34.3239, 10.7434 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 34.9689, 34.3239, 10.7434

Background



This preview shows how black text looks on a background with the XYZ color 34.9689, 34.3239, 10.7434.



This preview shows how white text looks on a background with the XYZ color 34.9689, 34.3239,

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

34.9689, 34.3239, 10.7434

Protanopia

31.5052, 34.5074, 11.3034

Deuteranopia

34.9689, 34.3239, 10.7434



Tritanopia

39.7799, 34.2025, 34.6421

Trichromacy



Original Color

34.9689, 34.3239, 10.7434

Protanomaly

32.5866, 34.3121, 11.0363

Deuteranomaly

34.9689, 34.3239, 10.7434

Tritanomaly

37.5200, 33.9602, 23.3164

Monochromacy



Original Color

34.9689, 34.3239, 10.7434

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.7713, 33.1125, 23.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9689, 34.3239, 10.7434 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(196, 151, 71)` looks like.

```
.text, #text, p{  
    color:rgb(196, 151, 71)  
}
```

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(196, 151, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 151, 71) }
```

Border

The CSS property to change the border of an element to XYZ 34.9689, 34.3239, 10.7434 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(196, 151, 71) }
```


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

```
.border{ border-color:rgb(196, 151, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 151, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 151, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 151, 71);  
box-shadow:4px 4px 4px 4px rgb(196, 151,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9689, 34.3239, 10.7434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 151, 71) }
```

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

```
.background{ background-color: rgb(196,  
151, 71) }
```

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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