

Converting Colors

XYZ(34.9811, 32.1089, 7.2597)

Have a look what the booklet for
XYZ(34.9811, 32.1089, 7.2597)
contains.

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Color

**XYZ(34.9811, 32.1089,
7.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8D31
RGB	204, 141, 49
RGB Percent	80%, 55%, 19%
CMY	0.2000, 0.4470, 0.8078
CMYK	0.00, 0.31, 0.76, 0.20
HSL	36°, 61%, 50%
HSV	36°, 76%, 80%
XYZ	34.9811, 32.1089, 7.2597
YIQ	149.3490, 67.0800, -15.2560

Conversions

Conversions Part 2

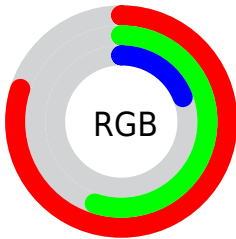
Format	Color
R _Y B	155, 204, 49
Decimal	13405489
CIE Lab	63.43, 15.94, 55.85
CIE LCh	63, 58.083, 74.077
Yxy	32.1089, 0.4705, 0.4319
Android (android.graphics.Color)	4291595569 (0xFFCC8D31)
YUV	149.3490, -49.4721, 47.9289
Hunter-Lab	56.6647, 11.0310, 32.0693

Details

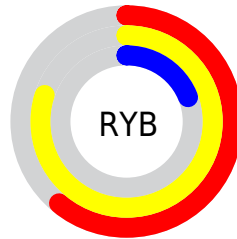
The XYZ color **34.9811, 32.1089, 7.2597** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.9596, 16.6003, 59.3839**, and the grayscale version is **28.8973, 30.4022, 33.1080**.

A 20% lighter version of the original color is **63.1041, 61.2298, 20.8045**, and **15.4181, 13.5019, 1.7935** is the 20% darker color. If you saturate the color by 10%, you get **33.4671, 29.6211, 5.0904**, and if you desaturate by 10%, it is **36.7828, 34.8609, 10.4862**.

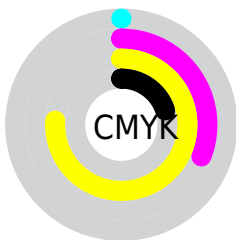
Distribution



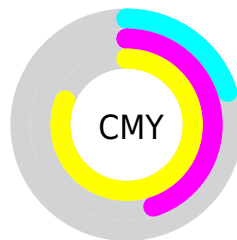
- Red (80%)
- Green (55%)
- Blue (19%)



- Red (61%)
- Yellow (80%)
- Blue (19%)



- Cyan (0%)
- Magenta (31%)
- Yellow (76%)
- Black (20%)





- Cyan (20%)
- Magenta (45%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9811, 32.1089, 7.2597 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 34.9811, 32.1089, 7.2597 by changing the saturation by 10% instead.


 34.9811, 32.1089,
7.2597

 34.9811, 32.1089,
7.2597


315.9944,
311.6150, 179.5165


 23.8148, 21.4447,
3.5441


 66.7907, 62.9818,
21.0155


 15.3203, 13.4494,
1.3787


 88.1647, 83.9592,
31.8928

 9.1322, 7.7388,
0.1251


 113.6719,
109.1432, 45.9944

 4.8853, 3.9282,
0.0000

 143.6778,
138.9181, 63.7389

 2.2142, 1.6335,
0.0000

 178.5476,
173.6684, 85.5449

 0.7502, 0.3800,
0.0000

 218.6467,

 0.0000, 0.0000,

213.7783, 111.8307

0.0000

264.3405,
259.6324, 143.0151

■ 34.9811, 32.1089,
7.2597

■ 34.9811, 32.1089,
7.2597

■ 33.4671, 29.6211,
5.0904

■ 36.7828, 34.8609,
10.4862

■ 32.2075, 27.3770,
3.8223

■ 38.8954, 37.8854,
14.8916

■ 31.7499, 26.5339,
3.4481

■ 41.3414, 41.1958,
20.5826

■ 44.1404, 44.8029,
27.6533

■ 47.3102, 48.7166,
36.1891

■ 50.8675, 52.9462,
46.2684

■ 54.8274, 57.5007,
57.9637

■ 59.2046, 62.3883,
71.3433

■ 64.0126, 67.6172,
86.4712

Harmonies

Analogous

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



43.0918, 32.1089, 12.2496



34.9811, 32.1089, 7.2597



26.8947, 32.1089, 7.1304

Triad

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



34.9811, 32.1089, 7.2597



17.7962, 32.1089, 46.9343



42.6478, 32.1089, 77.6425

Complementary

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



34.9811, 32.1089, 7.2597



17.9596, 16.6003, 59.3839

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.



34.4542, 32.1089, 98.2899



34.9811, 32.1089, 7.2597



20.6650, 32.1089, 75.9296

Square

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



34.9811, 32.1089, 7.2597



17.8868, 32.1089, 24.1224



26.4526, 32.1089, 97.5526



48.0233, 32.1089, 48.6398

Rectangle

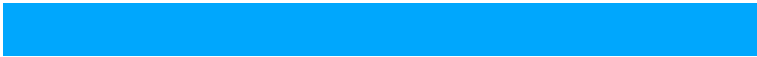
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.9811, 32.1089, 7.2597



22.6171, 32.1089, 9.5445



26.4526, 32.1089, 97.5526



40.0744, 32.1089, 86.2629

Sweetspot

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



34.9818, 32.1105, 7.2603



79.8654, 82.5049, 64.1493



29.0138, 16.2396, 17.4014



16.6542, 17.1279, 12.5077



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.



34.9818, 32.1105, 7.2603



54.0850, 46.7033, 6.9720



43.6539, 54.4943, 11.1237



11.7566, 12.3022, 11.8343



20.0774, 16.8878, 2.2015



1.1091, 1.0180, 0.1380

Inverse Universe

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



17.9596, 16.6003, 59.3839



24.7938, 20.1848, 97.1970



13.9790, 7.5780, 57.8522



10.9698, 11.5801, 14.2274



8.8889, 6.8017, 36.8006



0.5325, 0.4988, 1.9232

Previews

White Background



This preview shows how the XYZ color 34.9811, 32.1089, 7.2597 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 34.9811, 32.1089, 7.2597 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 34.9811, 32.1089, 7.2597

Background



This preview shows how black text looks on a background with the XYZ color 34.9811, 32.1089, 7.2597.



This preview shows how white text looks on a background with the XYZ color 34.9811, 32.1089,

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

34.9811, 32.1089, 7.2597

Protanopia

29.2115, 32.1389, 8.0320

Deuteranopia

32.7843, 32.1005, 7.1574



Tritanopia

39.7121, 32.1572, 29.7051

Trichromacy



Original Color

34.9811, 32.1089, 7.2597

Protanomaly

31.1344, 31.9332, 7.7716

Deuteranomaly

33.5327, 32.0302, 7.2114

Tritanomaly

37.3832, 31.8206, 18.3590

Monochromacy



Original Color

34.9811, 32.1089, 7.2597

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.6217, 30.1850, 19.8878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9811, 32.1089, 7.2597 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, 141, 49)` looks like.

```
.text, #text, p{  
    color:rgb(204, 141, 49)  
}
```

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, 141, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 141, 49) }
```

Border

The CSS property to change the border of an element to XYZ 34.9811, 32.1089, 7.2597 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, 141, 49) }
```


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

```
.border{ border-color:rgb(204, 141, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 141, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 141, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 141, 49);  
box-shadow:4px 4px 4px 4px rgb(204, 141,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9811, 32.1089, 7.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 141, 49) }
```

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

```
.background{ background-color: rgb(204,  
141, 49) }
```

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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