

Converting Colors

XYZ(28.5730, 31.1011, 7.0819)

Have a look what the booklet for
XYZ(28.5730, 31.1011, 7.0819)
contains.

XYZ(28.5730, 31.1011, 7.0819)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.5730, 31.1011,
7.0819)**

Conversions

Conversions Part 1

Format	Color
Hex	AC972E
RGB	172, 151, 46
RGB Percent	67%, 59%, 18%
CMY	0.3255, 0.4078, 0.8196
CMYK	0.00, 0.12, 0.73, 0.33
HSL	50°, 58%, 43%
HSV	50°, 73%, 67%
XYZ	28.5730, 31.1011, 7.0819
YIQ	145.3090, 46.2210, -28.2030

Conversions

Conversions Part 2

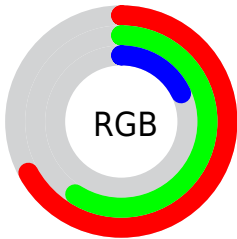
Format	Color
RYB	71, 172, 46
Decimal	11310894
CIELab	62.59, -3.82, 55.07
CIELCh	63, 55.205, 93.963
Yxy	31.1011, 0.4280, 0.4659
Android (android.graphics.Color)	4289500974 (0xFFAC972E)
YUV	145.3090, -48.9593, 23.4080
Hunter-Lab	55.7684, -6.1399, 31.5087

Details

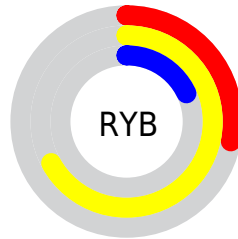
The XYZ color **28.5730, 31.1011, 7.0819** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.5803, 7.5736, 39.9337**, and the grayscale version is **27.2201, 28.6377, 31.1865**.

A 20% lighter version of the original color is **56.7166, 61.3865, 20.6639**, and **11.8561, 13.0204, 1.8883** is the 20% darker color. If you saturate the color by 10%, you get **27.8442, 30.0816, 5.4885**, and if you desaturate by 10%, it is **29.4503, 32.2003, 9.3956**.

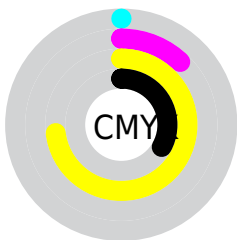
Distribution



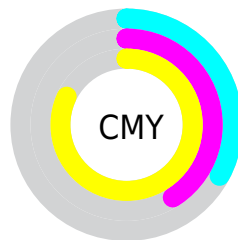
- Red (67%)
- Green (59%)
- Blue (18%)



- Red (28%)
- Yellow (67%)
- Blue (18%)



- Cyan (0%)
- Magenta (12%)
- Yellow (73%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5730, 31.1011, 7.0819 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 28.5730, 31.1011, 7.0819 by changing the saturation by 10% instead.

■ 28.5730, 31.1011,
7.0819

■ 28.5730, 31.1011,
7.0819

287.2256,
307.0038, 177.9992

■ 18.9007, 20.6758,
3.4341

■ 56.8002, 61.3992,
20.6535

■ 11.7021, 12.8873,
1.3204

■ 76.0859, 82.0409,
31.4143

■ 6.6119, 7.3510,
0.0784

■ 99.3067, 106.8567,
45.3833

■ 3.2648, 3.6825,
0.0000

■ 126.8280,
136.2313, 62.9790

■ 1.2953, 1.4976,
0.0000

■ 159.0152,
170.5489, 84.6199

■ 0.1797, 0.2870,
0.0000

■ 196.2336,

■ 0.0000, 0.0000,

210.1939, 110.7245

0.0000

238.8486,
255.5507, 141.7114

■ 28.5730, 31.1011,
7.0819

■ 28.5730, 31.1011,
7.0819

■ 27.8442, 30.0816,
5.4885

■ 29.4503, 32.2003,
9.3956

■ 27.2442, 29.1304,
4.5220

■ 30.4885, 33.3807,
12.5040

■ 26.8866, 28.5175,
4.0873

■ 31.7011, 34.6491,
16.4744

■ 33.0994, 36.0100,
21.3665

■ 34.6938, 37.4679,
27.2344

■ 36.4940, 39.0265,
34.1283

■ 38.5087, 40.6897,
42.0948

■ 40.7464, 42.4609,
51.1777

■ 43.2151, 44.3434,
61.4183

Harmonies

Analogous

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



36.3688, 31.1011, 8.6275



28.5730, 31.1011, 7.0819



22.1997, 31.1011, 9.8289

Triad

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



28.5730, 31.1011, 7.0819



19.1215, 31.1011, 62.6481



44.5399, 31.1011, 55.4739

Complementary

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



28.5730, 31.1011, 7.0819



10.5803, 7.5736, 39.9337

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.



38.3917, 31.1011, 81.0974



28.5730, 31.1011, 7.0819



23.6600, 31.1011, 86.3265

Square

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



28.5730, 31.1011, 7.0819



17.3603, 31.1011, 36.8058



30.5708, 31.1011, 94.2087



46.4488, 31.1011, 31.0829

Rectangle

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



28.5730, 31.1011, 7.0819



19.3467, 31.1011, 14.8843



30.5708, 31.1011, 94.2087



42.8546, 31.1011, 64.5152

Sweetspot

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



28.5737, 31.1026, 7.0825



63.2060, 68.2085, 50.4082



19.0035, 11.1301, 6.4574



13.5631, 14.6691, 10.3058



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5737, 31.1026, 7.0825



49.8005, 53.4679, 8.7281



24.4517, 34.4480, 7.9455



8.5474, 9.0996, 8.5193



20.0425, 21.2905, 3.0531



0.5872, 0.6516, 0.0948

Inverse Universe

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



10.5803, 7.5736, 39.9337



15.5661, 8.8498, 71.6935



12.4482, 7.0076, 39.7260



7.6828, 7.9649, 10.0851



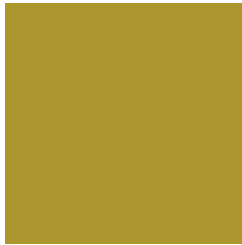
5.8905, 2.9148, 29.2967



0.1957, 0.1447, 0.8256

Previews

White Background



This preview shows how the XYZ color 28.5730, 31.1011, 7.0819 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 28.5730, 31.1011, 7.0819 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 28.5730, 31.1011, 7.0819

Background



This preview shows how black text looks on a background with the XYZ color 28.5730, 31.1011, 7.0819.



This preview shows how white text looks on a background with the XYZ color 28.5730, 31.1011,

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

28.5730, 31.1011, 7.0819

Protanopia

28.2989, 31.1998, 7.1154

Deuteranopia

31.7628, 31.1154, 7.2375



Tritanopia

34.0148, 31.0200, 33.9005

Trichromacy



Original Color

28.5730, 31.1011, 7.0819

Protanomaly

28.5160, 31.3117, 7.1256

Deuteranomaly

30.4957, 31.1481, 7.2012

Tritanomaly

31.2375, 30.7902, 19.9195

Monochromacy



Original Color

28.5730, 31.1011, 7.0819

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.7116, 28.9401, 18.6461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5730, 31.1011, 7.0819 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(172, 151, 46)` looks like.

```
.text, #text, p{  
    color:rgb(172, 151, 46)  
}
```

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(172, 151, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 151, 46) }
```

Border

The CSS property to change the border of an element to XYZ 28.5730, 31.1011, 7.0819 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(172, 151, 46) }
```


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

```
.border{ border-color:rgb(172, 151, 46) }
```

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

Here you see how a box with a 4 pixel rgb(172, 151, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 151, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 151, 46);  
box-shadow:4px 4px 4px 4px rgb(172, 151,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5730, 31.1011, 7.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 151, 46) }
```

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

```
.background{ background-color: rgb(172,  
151, 46) }
```

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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