

Converting Colors

XYZ(30.8639, 31.7221, 4.8070)

Have a look what the booklet for
XYZ(30.8639, 31.7221, 4.8070)
contains.

XYZ(30.9000, 31.6431, 4.7957)	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(30.9000, 31.6431,
4.7957)**

Conversions

Conversions Part 1

Format	Color
Hex	BA940B
RGB	186, 148, 11
RGB Percent	73%, 58%, 4%
CMY	0.2706, 0.4196, 0.9568
CMYK	0.00, 0.20, 0.94, 0.27
HSL	47°, 89%, 39%
HSV	47°, 94%, 73%
XYZ	30.9000, 31.6431, 4.7957
YIQ	143.7440, 66.6250, -34.5510

Conversions

Conversions Part 2

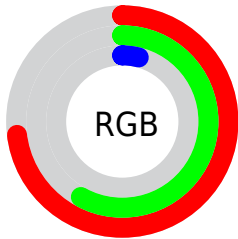
Format	Color
RYB	60, 186, 11
Decimal	12227595
CIELab	63.05, 3.08, 65.66
CIELCh	63, 65.729, 87.310
Yxy	31.6431, 0.4589, 0.4699
Android (android.graphics.Color)	4290417675 (0xFFBA940B)
YUV	143.7440, -65.4428, 37.0585
Hunter-Lab	56.2522, -0.3892, 34.3219

Details

The XYZ color **30.9000, 31.6431, 4.7957** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.0995, 5.8134, 47.0437**, and the grayscale version is **26.6436, 28.0311, 30.5259**.

A 20% lighter version of the original color is **60.4661, 62.3697, 15.8728**, and **13.2698, 13.3246, 1.8725** is the 20% darker color. If you saturate the color by 10%, you get **30.4691, 30.8782, 4.3542**, and if you desaturate by 10%, it is **31.7142, 33.0014, 5.9008**.

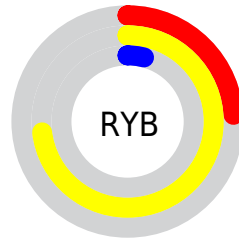
Distribution



Red (73%)

Green (58%)

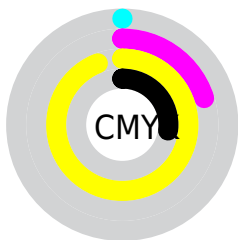
Blue (4%)



Red (24%)

Yellow (73%)

Blue (4%)

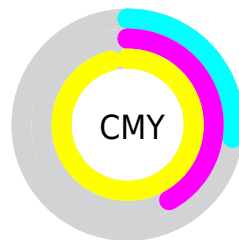


Cyan (0%)

Magenta (20%)

Yellow (94%)

Black (27%)



Cyan (27%)

Magenta (42%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9000, 31.6431, 4.7957 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 30.9000, 31.6431, 4.7957 by changing the saturation by 10% instead.


 30.9000, 31.6431,
4.7957


 30.9000, 31.6431,
4.7957

297.9125,
309.4902, 156.6969


 20.6742, 21.0890,
2.0713


 60.4595, 62.2512,
15.8069


 12.9971, 13.1891,
0.5986


 80.5239, 83.0740,
24.9307


 7.5036, 7.5589,
0.0000


 104.5985,
108.0884, 37.0247

 3.8281, 3.8140,
0.0000

 133.0487,
137.6790, 52.5075

 1.6053, 1.5701,
0.0000

 166.2399,
172.2301, 71.7975

 0.3959, 0.3373,
0.0000

 204.5373,

 0.0000, 0.0000,

212.1261, 95.3134

0.0000

248.3064,
257.7513, 123.4737

30.9000, 31.6431,
4.7957

30.9000, 31.6431,
4.7957

30.4691, 30.8782,
4.3542

31.7142, 33.0014,
5.9008

32.6896, 34.4587,
7.7474

33.8487, 36.0254,
10.4500

35.2095, 37.7093,
14.1029

36.7879, 39.5170,
18.7880

■ 38.5978, 41.4543,
24.5783

■ 40.6521, 43.5268,
31.5402

■ 42.9626, 45.7394,
39.7348

■ 45.5402, 48.0970,
49.2190

Harmonies

Analogous

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



40.4901, 31.6431, 7.2249



30.9000, 31.6431, 4.7957



22.7757, 31.6431, 6.4303

Triad

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



30.9000, 31.6431, 4.7957



17.1095, 31.6431, 62.7598



47.2320, 31.6431, 68.9988

Complementary

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



30.9000, 31.6431, 4.7957



10.0995, 5.8134, 47.0437

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.



38.7896, 31.6431, 100.4390



30.9000, 31.6431, 4.7957



21.6205, 31.6431, 95.7408

Square

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



30.9000, 31.6431, 4.7957



15.8242, 31.6431, 32.1673



29.2664, 31.6431, 112.0897



51.0284, 31.6431, 36.8465

Rectangle

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



30.9000, 31.6431, 4.7957



19.0101, 31.6431, 10.5023



29.2664, 31.6431, 112.0897



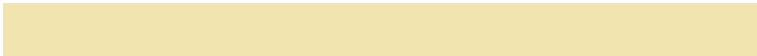
44.7699, 31.6431, 80.5105

Sweetspot

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



30.9007, 31.6447, 4.7963



71.9971, 77.2184, 51.3694



20.9856, 10.9251, 4.2328



15.5058, 16.6494, 10.1386



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.9007, 31.6447, 4.7963



55.0420, 55.5979, 7.8304



28.3228, 40.6596, 6.6722



9.5803, 10.1635, 9.5637



20.5555, 20.8874, 2.9483



0.7664, 0.8199, 0.1179

Inverse Universe

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



10.0995, 5.8134, 47.0437



17.3194, 8.9355, 85.0133



10.7087, 4.6745, 46.7918



8.6750, 9.0272, 11.3646



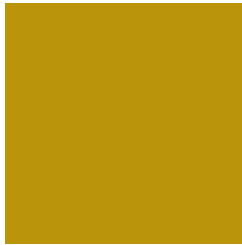
6.5283, 3.5162, 31.5877



0.2763, 0.2163, 1.1289

Previews

White Background



This preview shows how the XYZ color 30.9000, 31.6431, 4.7957 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 30.9000, 31.6431, 4.7957 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 30.9000, 31.6431, 4.7957

Background



This preview shows how black text looks on a background with the XYZ color 30.9000, 31.6431, 4.7957.



This preview shows how white text looks on a background with the XYZ color 30.9000, 31.6431,

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

30.9000, 31.6431, 4.7957

Protanopia

28.4838, 31.5848, 5.0107

Deuteranopia

32.2112, 31.6257, 4.8969



Tritanopia

36.6819, 31.7844, 32.2186

Trichromacy



Original Color

30.9000, 31.6431, 4.7957

Protanomaly

29.2707, 31.5094, 4.9200

Deuteranomaly

31.5934, 31.5366, 4.8375

Tritanomaly

33.3635, 31.3042, 15.8391

Monochromacy



Original Color

30.9000, 31.6431, 4.7957

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.5348, 28.4663, 15.1623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9000, 31.6431, 4.7957 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(186, 148, 11)` looks like.

```
.text, #text, p{  
    color:rgb(186, 148, 11)  
}
```

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(186, 148, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 148, 11) }
```

Border

The CSS property to change the border of an element to XYZ 30.9000, 31.6431, 4.7957 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(186, 148, 11) }
```


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

```
.border{ border-color:rgb(186, 148, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 148, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 148, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 148, 11);  
box-shadow:4px 4px 4px 4px rgb(186, 148,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9000, 31.6431, 4.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 148, 11) }
```

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

```
.background{ background-color: rgb(186,  
148, 11) }
```

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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