

Converting Colors

XYZ(31.0260, 31.9338, 4.5298)

Have a look what the booklet for
XYZ(31.0260, 31.9338, 4.5298)
contains.

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Color

**XYZ(30.9971, 31.9340,
4.5302)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9500
RGB	186, 149, 0
RGB Percent	73%, 58%, 0%
CMY	0.2706, 0.4157, 0.9999
CMYK	0.00, 0.20, 1.00, 0.27
HSL	48°, 100%, 36%
HSV	48°, 100%, 73%
XYZ	30.9971, 31.9340, 4.5302
YIQ	143.0770, 69.8810, -38.4950

Conversions

Conversions Part 2

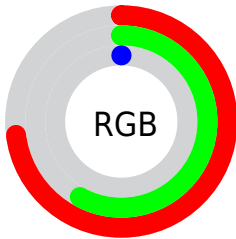
Format	Color
RYB	46, 186, 0
Decimal	12227840
CIELab	63.29, 2.40, 67.40
CIELCh	63, 67.444, 87.958
Yxy	31.9340, 0.4595, 0.4734
Android (android.graphics.Color)	4290417920 (0xFFBA9500)
YUV	143.0770, -70.5370, 37.6435
Hunter-Lab	56.5102, -0.9816, 34.8041

Details

The XYZ color **30.9971, 31.9340, 4.5302** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.5248, 4.8688, 46.8916**, and the grayscale version is **26.3940, 27.7686, 30.2400**.

A 20% lighter version of the original color is **60.5646, 62.7857, 15.2301**, and **13.3639, 13.5129, 1.9039** is the 20% darker color. If you saturate the color by 10%, you get **30.9973, 31.9347, 4.5303**, and if you desaturate by 10%, it is **31.7067, 33.1707, 5.3304**.

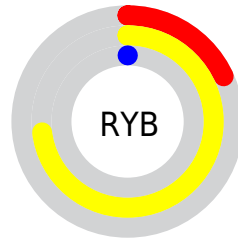
Distribution



Red (73%)

Green (58%)

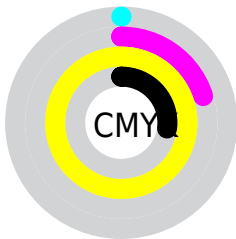
Blue (0%)



Red (18%)

Yellow (73%)

Blue (0%)

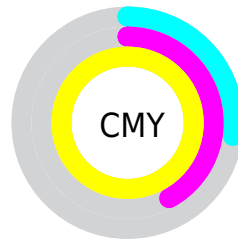


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9971, 31.9340, 4.5302 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 30.9971, 31.9340, 4.5302 by changing the saturation by 10% instead.


 30.9971, 31.9340,
4.5302


 30.9971, 31.9340,
4.5302

298.3521,
310.8185, 153.9479

 20.7485, 21.3111,
1.9205


 60.6114, 62.7076,
15.2152


 13.0517, 13.3516,
0.5057


 80.7077, 83.6271,
24.1276

 7.5414, 7.6711,
0.0000


 104.8173,
108.7476, 35.9779

 3.8522, 3.8852,
0.0000

 133.3056,
138.4534, 51.1847

 1.6189, 1.6096,
0.0000

 166.5378,
173.1290, 70.1666

 0.4047, 0.3640,
0.0000


 204.8794,


 0.0000, 0.0000,


213.1588, 93.3420


0.0000


 248.6957,
258.9272, 121.1296


 30.9971, 31.9340,
4.5302


 30.9971, 31.9340,
4.5302


 30.9973, 31.9347,
4.5303

 31.7067, 33.1707,
5.3304

 32.5432, 34.4868,
6.7093

 33.5476, 35.9004,
8.8789

 34.7399, 37.4198,
11.9436

 36.1370, 39.0518,
15.9922

■ 37.7539, 40.8029,
21.1025

■ 39.6041, 42.6785,
27.3446

■ 41.6999, 44.6840,
34.7827

■ 44.0527, 46.8241,
43.4759

Harmonies

Analogous

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



40.9189, 31.9340, 6.8475



30.9971, 31.9340, 4.5302



22.6831, 31.9340, 6.2454

Triad

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



30.9971, 31.9340, 4.5302



17.0860, 31.9340, 64.9089



48.2745, 31.9340, 69.8442

Complementary

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



30.9971, 31.9340, 4.5302



9.5248, 4.8688, 46.8916

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.



39.5804, 31.9340, 102.9147



30.9971, 31.9340, 4.5302



21.7821, 31.9340, 99.1807

Square

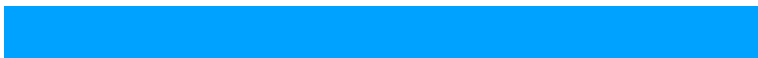
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.9971, 31.9340, 4.5302



15.7030, 31.9340, 32.9690



29.7165, 31.9340, 115.7267



52.0849, 31.9340, 36.6368

Rectangle

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



30.9971, 31.9340, 4.5302



18.8674, 31.9340, 10.4395



29.7165, 31.9340, 115.7267



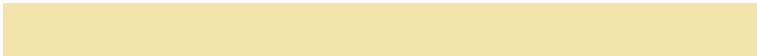
45.7489, 31.9340, 81.8749

Sweetspot

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



30.9978, 31.9356, 4.5308



71.6063, 77.1815, 48.9432



20.5869, 10.5742, 2.7237



15.4463, 16.6743, 9.6754



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.



30.9978, 31.9356, 4.5308



56.0100, 57.5339, 8.1531



26.7959, 39.8794, 6.2856



9.5943, 10.1917, 9.5684



20.9077, 21.5918, 3.0657



0.7762, 0.8396, 0.1211

Inverse Universe

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



9.5248, 4.8688, 46.8916



17.1291, 8.5549, 84.9499



10.4832, 4.3807, 46.7469



8.6619, 9.0011, 11.3603



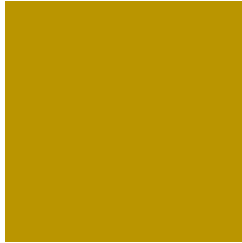
6.4511, 3.3619, 31.5620



0.2708, 0.2052, 1.1271

Previews

White Background



This preview shows how the XYZ color 30.9971, 31.9340, 4.5302 looks on a white background.

Color Contrast Check

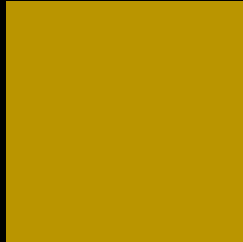
Large Text (above 18pt) WCAG AA × Fail

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 30.9971, 31.9340, 4.5302 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 30.9971, 31.9340, 4.5302

Background



This preview shows how black text looks on a background with the XYZ color 30.9971, 31.9340, 4.5302.



This preview shows how white text looks on a background with the XYZ color 30.9971, 31.9340,

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

30.9971, 31.9340, 4.5302

Protanopia

28.8330, 32.0130, 4.8892

Deuteranopia

32.5997, 32.0562, 4.8500



Tritanopia

36.7614, 31.8162, 32.6374

Trichromacy



Original Color

30.9971, 31.9340, 4.5302

Protanomaly

29.6157, 31.9324, 4.7462

Deuteranomaly

31.9634, 31.9613, 4.7142

Tritanomaly

33.2244, 31.2486, 15.1069

Monochromacy



Original Color

30.9971, 31.9340, 4.5302

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.3118, 28.3771, 13.9881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9971, 31.9340, 4.5302 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, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 149, 0)  
}
```

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, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.9971, 31.9340, 4.5302 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, 149, 0) }
```


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

```
.border{ border-color:rgb(186, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9971, 31.9340, 4.5302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 149, 0) }
```

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

```
.background{ background-color: rgb(186,  
149, 0) }
```

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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