

Converting Colors

XYZ(31.0926, 30.1964, 4.1897)

Have a look what the booklet for
XYZ(31.0926, 30.1964, 4.1897)
contains.

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Color

**XYZ(31.0107, 30.1261,
4.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8D00
RGB	191, 141, 0
RGB Percent	75%, 55%, 0%
CMY	0.2510, 0.4470, 1.0000
CMYK	0.00, 0.26, 1.00, 0.25
HSL	44°, 100%, 37%
HSV	44°, 100%, 75%
XYZ	31.0107, 30.1261, 4.1805
YIQ	139.8760, 75.0610, -33.2510

Conversions

Conversions Part 2

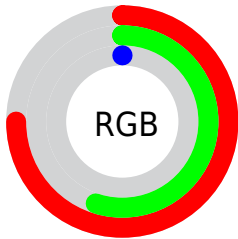
Format	Color
RYB	68, 191, 0
Decimal	12553472
CIELab	61.76, 9.03, 66.60
CIELCh	62, 67.212, 82.280
Yxy	30.1261, 0.4748, 0.4612
Android (android.graphics.Color)	4290743552 (0xFFBF8D00)
YUV	139.8760, -68.9589, 44.8357
Hunter-Lab	54.8872, 4.7979, 33.9052

Details

The XYZ color **31.0107, 30.1261, 4.1805** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.5449, 6.0433, 49.9004**, and the grayscale version is **25.1193, 26.4275, 28.7795**.

A 20% lighter version of the original color is **60.6064, 59.7469, 14.4689**, and **13.2568, 12.3877, 1.6924** is the 20% darker color. If you saturate the color by 10%, you get **31.0108, 30.1267, 4.1806**, and if you desaturate by 10%, it is **31.8838, 31.6830, 5.0561**.

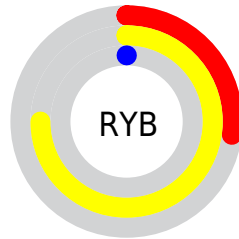
Distribution



Red (75%)

Green (55%)

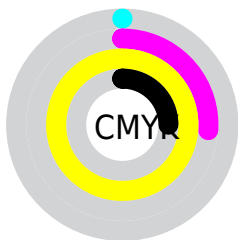
Blue (0%)



Red (27%)

Yellow (75%)

Blue (0%)

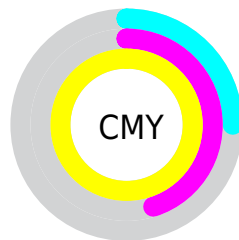


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0107, 30.1261, 4.1805 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 31.0107, 30.1261, 4.1805 by changing the saturation by 10% instead.


 31.0107, 30.1261,
4.1805


 31.0107, 30.1261,
4.1805


298.4136,
302.4918, 150.2110

 20.7589, 19.9343,
1.7249


 60.6326, 59.8615,
14.4240


 13.0593, 12.3473,
0.3777


 80.7335, 80.1740,
23.0489


 7.5467, 6.9807,
0.0000


 104.8480,
104.6288, 34.5673

 3.8556, 3.4500,
0.0000

 133.3416,
133.6103, 49.3978

 1.6208, 1.3709,
0.0000

 166.5796,
167.5030, 67.9588


 0.4059, 0.1952,
0.0000


 204.9273,


 0.0000, 0.0000,


206.6912, 90.6690


0.0000


 248.7502,
251.5593, 117.9469


 31.0107, 30.1261,
4.1805


 31.0107, 30.1261,
4.1805


 31.0108, 30.1267,
4.1806

 31.8838, 31.6830,
5.0561

 32.9063, 33.3523,
6.5550

 34.1212, 35.1532,
8.8986

 35.5501, 37.0950,
12.1991

 37.2114, 39.1856,
16.5511

■ 39.1214, 41.4323,
22.0380

■ 41.2946, 43.8414,
28.7346

■ 43.7443, 46.4188,
36.7095

■ 46.4829, 49.1703,
46.0259

Harmonies

Analogous

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



40.5180, 30.1261, 7.2087



31.0107, 30.1261, 4.1805



22.5872, 30.1261, 5.0547

Triad

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



31.0107, 30.1261, 4.1805



15.4694, 30.1261, 55.2855



44.5347, 30.1261, 73.1862

Complementary

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



31.0107, 30.1261, 4.1805



10.5449, 6.0433, 49.9004

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.



35.6737, 30.1261, 102.9003



31.0107, 30.1261, 4.1805



19.3355, 30.1261, 89.3429

Square

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



31.0107, 30.1261, 4.1805



14.7319, 30.1261, 26.6117



26.3819, 30.1261, 109.9916



49.3193, 30.1261, 39.8852

Rectangle

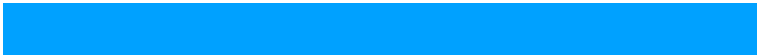
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.0107, 30.1261, 4.1805



18.5386, 30.1261, 8.1671



26.3819, 30.1261, 109.9916



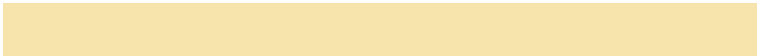
41.8559, 30.1261, 84.5118

Sweetspot

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



31.0114, 30.1276, 4.1811



73.7612, 78.3065, 50.8358



22.0820, 11.3150, 4.1454



15.8216, 16.7843, 9.9890



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.0114, 30.1276, 4.1811



55.3329, 53.5410, 7.4181



30.5623, 43.4122, 6.7689



10.1052, 10.6863, 10.1067



20.4484, 19.9355, 2.7702



0.8514, 0.8818, 0.1253

Inverse Universe

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



10.5449, 6.0433, 49.9004



18.7184, 10.4887, 89.3171



10.4676, 4.3101, 49.5700



9.2142, 9.6206, 12.0435



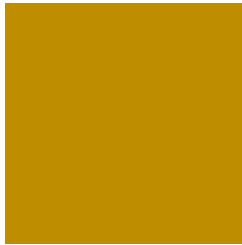
6.9865, 4.0847, 32.8131



0.3290, 0.2707, 1.3038

Previews

White Background



This preview shows how the XYZ color 31.0107, 30.1261, 4.1805 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 31.0107, 30.1261, 4.1805 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 31.0107, 30.1261, 4.1805

Background



This preview shows how black text looks on a background with the XYZ color 31.0107, 30.1261, 4.1805.



This preview shows how white text looks on a background with the XYZ color 31.0107, 30.1261,

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

31.0107, 30.1261, 4.1805

Protanopia

27.3289, 30.2719, 4.7193

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

36.2127, 30.1615, 29.1124

Trichromacy



Original Color

31.0107, 30.1261, 4.1805

Protanomaly

28.6035, 30.2299, 4.5284

Deuteranomaly

30.9082, 30.2932, 4.2181

Tritanomaly

33.0151, 29.6682, 13.6593

Monochromacy



Original Color

31.0107, 30.1261, 4.1805

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.4793, 26.8484, 13.2905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0107, 30.1261, 4.1805 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(191, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 141, 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(191, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 141, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.0107, 30.1261, 4.1805 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(191, 141, 0) }
```


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

```
.border{ border-color:rgb(191, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 141,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0107, 30.1261, 4.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 141, 0) }
```

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

```
.background{ background-color: rgb(191,  
141, 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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