

Converting Colors

XYZ(30.8350, 31.5646, 10.3643)

Have a look what the booklet for
XYZ(30.8350, 31.5646, 10.3643)
contains.

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Color

**XYZ(30.7833, 31.4585,
10.4109)**

Conversions

Conversions Part 1

Format	Color
Hex	B59447
RGB	181, 148, 71
RGB Percent	71%, 58%, 28%
CMY	0.2902, 0.4196, 0.7216
CMYK	0.00, 0.18, 0.61, 0.29
HSL	42°, 44%, 49%
HSV	42°, 61%, 71%
XYZ	30.7833, 31.4585, 10.4109
YIQ	149.0890, 44.3850, -16.9510

Conversions

Conversions Part 2

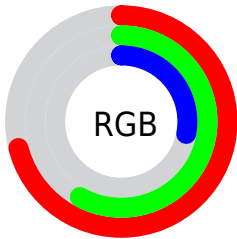
Format	Color
RYB	118, 181, 71
Decimal	11899975
CIELab	62.89, 3.31, 44.57
CIELCh	63, 44.690, 85.746
Yxy	31.4585, 0.4237, 0.4330
Android (android.graphics.Color)	4290090055 (0xFFB59447)
YUV	149.0890, -38.4979, 27.9859
Hunter-Lab	56.0879, -0.1858, 28.2562

Details

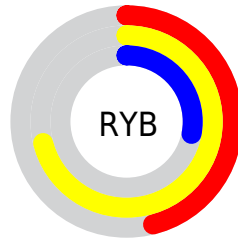
The XYZ color **30.7833, 31.4585, 10.4109** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **15.8892, 14.5759, 45.6918**, and the grayscale version is **28.7491, 30.2463, 32.9382**.

A 20% lighter version of the original color is **60.2300, 61.9969, 27.2045**, and **12.9514, 13.1458, 2.5166** is the 20% darker color. If you saturate the color by 10%, you get **29.4552, 29.5976, 7.5168**, and if you desaturate by 10%, it is **32.3259, 33.4715, 14.2306**.

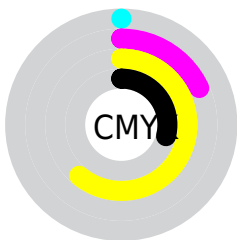
Distribution



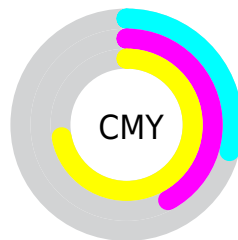
- Red (71%)
- Green (58%)
- Blue (28%)



- Red (46%)
- Yellow (71%)
- Blue (28%)



- Cyan (0%)
- Magenta (18%)
- Yellow (61%)
- Black (29%)





- Cyan (29%)
- Magenta (42%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7833, 31.4585, 10.4109 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 30.7833, 31.4585, 10.4109 by changing the saturation by 10% instead.


 30.7833, 31.4585,
10.4109


 30.7833, 31.4585,
10.4109


297.3835,
308.6451, 204.1703


 20.5849, 20.9482,
5.5631


 60.2769, 61.9612,
27.1854


 12.9317, 13.0862,
2.5168


 80.3028, 82.7225,
39.9491


 7.4582, 7.4879,
0.8491


 104.3353,
107.6695, 56.1885

 3.7991, 3.7691,
0.0000

 132.7397,
137.1867, 76.3222

 1.5891, 1.5452,
0.0000

 165.8814,
171.6584, 100.7687

 0.3853, 0.3202,
0.0000

204.1256,

 0.0000, 0.0000,

211.4692, 129.9465

0.0000

247.8379,
257.0033, 164.2742

■ 30.7833, 31.4585,
10.4109

■ 30.7833, 31.4585,
10.4109

■ 29.4552, 29.5976,
7.5168

■ 32.3259, 33.4715,
14.2306

■ 28.3229, 27.8769,
5.4628

■ 34.0951, 35.6388,
19.0477

■ 27.3678, 26.2892,
4.1501

■ 36.1049, 37.9679,
24.9290

■ 26.6076, 24.9269,
3.4090

■ 38.3671, 40.4644,
31.9349

■ 40.8928, 43.1335,
40.1212

■ 43.6924, 45.9802,
49.5400

■ 46.7756, 49.0091,
60.2404

■ 50.1517, 52.2247,
72.2687

■ 53.8295, 55.6313,
85.6689

Harmonies

Analogous

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



37.0386, 31.4585, 13.2394



30.7833, 31.4585, 10.4109



25.0663, 31.4585, 11.9546

Triad

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



30.7833, 31.4585, 10.4109



20.4894, 31.4585, 51.1113



40.7411, 31.4585, 56.9868

Complementary

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



30.7833, 31.4585, 10.4109



15.8892, 14.5759, 45.6918

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.



35.3191, 31.4585, 74.5502



30.7833, 31.4585, 10.4109



23.7438, 31.4585, 70.4232

Square

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



30.7833, 31.4585, 10.4109



19.6177, 31.4585, 31.8093



29.0345, 31.4585, 80.1580



43.2646, 31.4585, 36.8187

Rectangle

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



30.7833, 31.4585, 10.4109



22.2265, 31.4585, 15.6817



29.0345, 31.4585, 80.1580



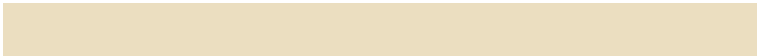
39.1638, 31.4585, 63.6277

Sweetspot

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



30.7840, 31.4600, 10.4115



69.7883, 73.6236, 60.6181



23.8081, 15.3300, 14.8013



14.8147, 15.6236, 12.2445



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.7840, 31.4600, 10.4115



52.0167, 51.9186, 12.0326



31.9593, 40.8735, 12.1666



8.9776, 9.4677, 9.0068



18.4056, 17.3099, 2.3711



0.6272, 0.6409, 0.0906

Inverse Universe

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



15.8892, 14.5759, 45.6918



23.1075, 19.2391, 80.7902



15.1082, 10.1702, 44.8826



8.2429, 8.6320, 10.7380



6.7226, 4.2456, 30.6022



0.2639, 0.2384, 0.9803

Previews

White Background



This preview shows how the XYZ color 30.7833, 31.4585, 10.4109 looks on a white background.

Color Contrast Check

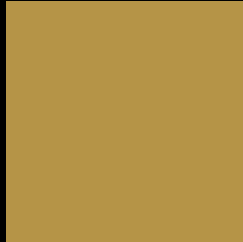
Large Text (above 18pt) WCAG AA × Fail

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 30.7833, 31.4585, 10.4109 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 30.7833, 31.4585, 10.4109

Background



This preview shows how black text looks on a background with the XYZ color 30.7833, 31.4585, 10.4109.



This preview shows how white text looks on a background with the XYZ color 30.7833, 31.4585,

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

30.7833, 31.4585, 10.4109

Protanopia

28.9231, 31.6854, 10.7224

Deuteranopia

32.0341, 31.4100, 10.5053



Tritanopia

35.4767, 31.3586, 33.0372

Trichromacy



Original Color

30.7833, 31.4585, 10.4109

Protanomaly

29.4699, 31.4853, 10.6549

Deuteranomaly

31.4562, 31.3399, 10.5222

Tritanomaly

33.1318, 31.0408, 22.3344

Monochromacy



Original Color

30.7833, 31.4585, 10.4109

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8966, 30.4524, 22.4441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7833, 31.4585, 10.4109 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(181, 148, 71)` looks like.

```
.text, #text, p{  
    color:rgb(181, 148, 71)  
}
```

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(181, 148, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 148, 71) }
```

Border

The CSS property to change the border of an element to XYZ 30.7833, 31.4585, 10.4109 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(181, 148, 71) }
```


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

```
.border{ border-color:rgb(181, 148, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 148, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 148, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 148, 71);  
box-shadow:4px 4px 4px 4px rgb(181, 148,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7833, 31.4585, 10.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 148, 71) }
```

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

```
.background{ background-color: rgb(181,  
148, 71) }
```

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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