

Converting Colors

XYZ(31.6637, 30.8898, 18.5517)

Have a look what the booklet for
XYZ(31.6637, 30.8898, 18.5517)
contains.

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Color

**XYZ(31.5024, 30.7325,
18.4590)**

Conversions

Conversions Part 1

Format	Color
Hex	B4906C
RGB	180, 144, 108
RGB Percent	71%, 56%, 42%
CMY	0.2941, 0.4353, 0.5765
CMYK	0.00, 0.20, 0.40, 0.29
HSL	30°, 32%, 56%
HSV	30°, 40%, 71%
XYZ	31.5024, 30.7325, 18.4590
YIQ	150.6600, 33.0120, -3.5640

Conversions

Conversions Part 2

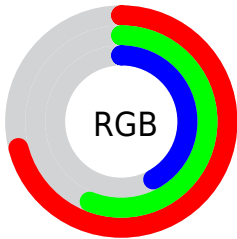
Format	Color
RYB	180, 180, 108
Decimal	11833452
CIELab	62.28, 8.60, 24.28
CIElCh	62, 25.756, 70.484
Yxy	30.7325, 0.3904, 0.3809
Android (android.graphics.Color)	4290023532 (0xFFB4906C)
YUV	150.6600, -21.0314, 25.7312
Hunter-Lab	55.4369, 4.4193, 19.0639

Details

The XYZ color **31.5024, 30.7325, 18.4590** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **24.3955, 26.4290, 46.9955**, and the grayscale version is **29.3478, 30.8762, 33.6242**.

A 20% lighter version of the original color is **61.4643, 60.9308, 41.7790**, and **13.4225, 12.7673, 6.0319** is the 20% darker color. If you saturate the color by 10%, you get **29.3326, 27.7710, 13.4875**, and if you desaturate by 10%, it is **33.9802, 33.9933, 24.5096**.

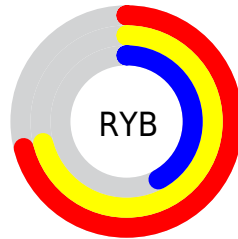
Distribution



Red (71%)

Green (56%)

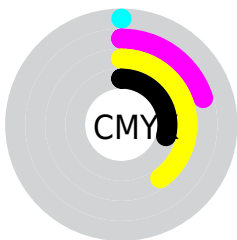
Blue (42%)



Red (71%)

Yellow (71%)

Blue (42%)

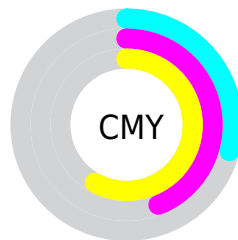


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (29%)



Cyan (29%)


Magenta (44%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5024, 30.7325, 18.4590 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 31.5024, 30.7325, 18.4590 by changing the saturation by 10% instead.


 31.5024, 30.7325,
18.4590


 31.5024, 30.7325,
18.4590


300.6320,
305.3041, 255.7681

 21.1354, 20.3952,
11.1072


 61.4007, 60.8187,
41.6424


 13.3360, 12.6827,
6.0239


 81.6627, 81.3364,
58.3110

 7.7389, 7.2104,
2.7906


 105.9537,
106.0163, 78.9223

 3.9788, 3.5940,
0.9887

 134.6391,
135.2430, 103.8948

 1.6901, 1.4492,
0.0000

168.0843,
169.4007, 133.6471

 0.4501, 0.2525,
0.0000

206.6546,

 0.0000, 0.0000,

208.8738, 168.5978

0.0000

250.7154,
254.0468, 209.1652

■ 31.5024, 30.7325,
18.4590

■ 31.5024, 30.7325,
18.4590

■ 29.3326, 27.7710,
13.4875

■ 33.9802, 33.9933,
24.5096

■ 27.4538, 25.0946,
9.5279

■ 36.7773, 37.5585,
31.6973

■ 25.8504, 22.6940,
6.5081

■ 39.9073, 41.4384,
40.0782

■ 24.5043, 20.5576,
4.3457

■ 43.3821, 45.6414,
49.7040

■ 23.3943, 18.6725,
2.9435

■ 47.2131, 50.1756,
60.6234

■ 22.4794, 17.0174,
2.0999

■ 51.4110, 55.0488,
72.8825

■ 22.4794, 17.0173,
2.0999

■ 55.9861, 60.2684,
86.5251

■ 60.9483, 65.8416,
101.5930

■ 63.7964, 70.7713,
104.9055

Harmonies

Analogous

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



34.5991, 30.7325, 22.5022



31.5024, 30.7325, 18.4590



28.0100, 30.7325, 17.9388

Triad

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



31.5024, 30.7325, 18.4590



23.1142, 30.7325, 37.0708



33.7719, 30.7325, 50.2503

Complementary

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



31.5024, 30.7325, 18.4590



24.3955, 26.4290, 46.9955

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.



30.4445, 30.7325, 56.0556



31.5024, 30.7325, 18.4590



24.4123, 30.7325, 47.5046

Square

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



31.5024, 30.7325, 18.4590



23.3482, 30.7325, 27.4620



27.0322, 30.7325, 54.9616



35.9796, 30.7325, 40.2789

Rectangle

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



31.5024, 30.7325, 18.4590



25.9466, 30.7325, 19.5196



27.0322, 30.7325, 54.9616



32.7368, 30.7325, 52.8353

Sweetspot

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



31.5032, 30.7339, 18.4596



71.0555, 73.5349, 69.1269



29.2192, 22.4424, 29.1776



15.1977, 15.6964, 14.5093



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.



31.5032, 30.7339, 18.4596



53.6220, 50.9603, 25.4199



37.8504, 43.4285, 20.5754



8.8357, 9.1839, 8.9595



15.7565, 12.0115, 1.4880



0.5541, 0.4946, 0.0663

Inverse Universe

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



24.3955, 26.4290, 46.9955



38.9407, 42.0683, 84.3622



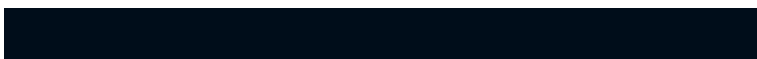
19.7854, 17.2090, 45.4588



8.3812, 8.9086, 10.7841



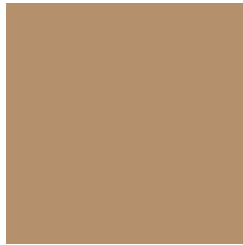
8.3682, 7.5368, 31.1507



0.3216, 0.3538, 0.9996

Previews

White Background



This preview shows how the XYZ color 31.5024, 30.7325, 18.4590 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 31.5024, 30.7325, 18.4590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

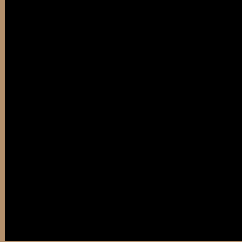
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5024, 30.7325, 18.4590

Background



This preview shows how black text looks on a background with the XYZ color 31.5024, 30.7325, 18.4590.



This preview shows how white text looks on a background with the XYZ color 31.5024, 30.7325,

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

31.5024, 30.7325, 18.4590

Protanopia

28.8361, 30.9623, 19.4954

Deuteranopia

31.2704, 30.6129, 18.4481



Tritanopia

34.4246, 30.8255, 32.5693

Trichromacy



Original Color

31.5024, 30.7325, 18.4590

Protanomaly

29.7666, 30.7406, 19.1165

Deuteranomaly

31.2704, 30.6129, 18.4481

Tritanomaly

33.3564, 30.8383, 26.7486

Monochromacy



Original Color

31.5024, 30.7325, 18.4590

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.8634, 30.6105, 27.2561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5024, 30.7325, 18.4590 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(180, 144, 108)` looks like.

```
.text, #text, p{  
    color:rgb(180, 144, 108)  
}
```

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(180, 144, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 144, 108) }
```

Border

The CSS property to change the border of an element to XYZ 31.5024, 30.7325, 18.4590 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(180, 144, 108) }
```


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

```
.border{ border-color:rgb(180, 144, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 144, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 144, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 144, 108);  
box-shadow:4px 4px 4px 4px rgb(180, 144,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5024, 30.7325, 18.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 144, 108) }
```

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

```
.background{ background-color: rgb(180,  
144, 108) }
```

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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