

Converting Colors

XYZ(32.4682, 31.8049, 10.5006)

Have a look what the booklet for
XYZ(32.4682, 31.8049, 10.5006)
contains.

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Color

**XYZ(32.4348, 31.8445,
10.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9248
RGB	189, 146, 72
RGB Percent	74%, 57%, 28%
CMY	0.2588, 0.4274, 0.7176
CMYK	0.00, 0.23, 0.62, 0.26
HSL	38°, 47%, 51%
HSV	38°, 62%, 74%
XYZ	32.4348, 31.8445, 10.5680
YIQ	150.4210, 49.3820, -13.8980

Conversions

Conversions Part 2

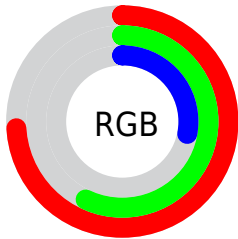
Format	Color
R_{YB}	140, 189, 72
Decimal	12423752
CIE _{Lab}	63.21, 7.96, 44.66
CIE _{LCh}	63, 45.368, 79.890
Yxy	31.8445, 0.4333, 0.4255
Android (android.graphics.Color)	4290613832 (0xFFBD9248)
YUV	150.4210, -38.6616, 33.8338
Hunter-Lab	56.4309, 3.8423, 28.3982

Details

The XYZ color **32.4348, 31.8445, 10.5680** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.9881, 17.3124, 50.5372**, and the grayscale version is **29.3138, 30.8404, 33.5852**.

A 20% lighter version of the original color is **62.9408, 62.6951, 27.5229**, and **13.8434, 13.3292, 2.6022** is the 20% darker color. If you saturate the color by 10%, you get **30.8723, 29.5593, 7.4589**, and if you desaturate by 10%, it is **34.2533, 34.3387, 14.6981**.

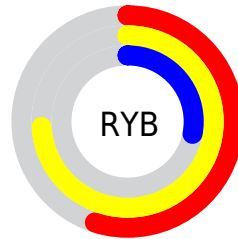
Distribution



Red (74%)

Green (57%)

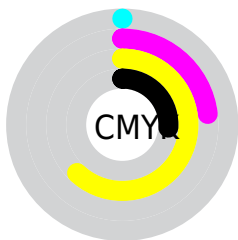
Blue (28%)



Red (55%)

Yellow (74%)

Blue (28%)

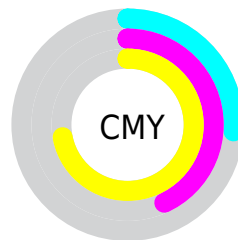


Cyan (0%)

Magenta (23%)

Yellow (62%)

Black (26%)



Cyan (26%)


Magenta (43%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4348, 31.8445, 10.5680 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 32.4348, 31.8445, 10.5680 by changing the saturation by 10% instead.


 32.4348, 31.8445,
10.5680


 32.4348, 31.8445,
10.5680


304.8054,
310.4103, 205.3092

 21.8510, 21.2428,
5.6667


 62.8527, 62.5672,
27.4828

 13.8634, 13.3016,
2.5780


 83.4175, 83.4570,
40.3334


 8.1068, 7.6365,
0.8811


 108.0400,
108.5449, 56.6708

 4.2157, 3.8633,
0.0000

 137.0855,
138.2154, 76.9136

 1.8249, 1.5974,
0.0000

 170.9195,
172.8527, 101.4803

 0.5326, 0.3558,
0.0000

209.9072,

 0.0000, 0.0000,

212.8414, 130.7894

0.0000

254.4141,
258.5658, 165.2595

■ 32.4348, 31.8445,
10.5680

■ 32.4348, 31.8445,
10.5680

■ 30.8723, 29.5593,
7.4589

■ 34.2533, 34.3387,
14.6981

■ 29.5446, 27.4691,
5.2736

■ 36.3425, 37.0458,
19.9305

■ 28.4296, 25.5643,
3.8993

■ 38.7184, 39.9751,
26.3404

■ 27.6481, 24.1428,
3.2028

■ 41.3947, 43.1339,
33.9960

■ 44.3845, 46.5291,
42.9599

■ 47.6998, 50.1671,
53.2907

■ 51.3520, 54.0541,
65.0435

■ 55.3518, 58.1958,
78.2701

■ 59.7095, 62.5980,
93.0199

Harmonies

Analogous

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



38.7245, 31.8445, 14.3917



32.4348, 31.8445, 10.5680



26.3452, 31.8445, 11.2737

Triad

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



32.4348, 31.8445, 10.5680



20.2804, 31.8445, 47.8078



40.4643, 31.8445, 62.0382

Complementary

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



32.4348, 31.8445, 10.5680



17.9881, 17.3124, 50.5372

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.



34.5604, 31.8445, 78.3716



32.4348, 31.8445, 10.5680



23.1407, 31.8445, 68.3828

Square

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



32.4348, 31.8445, 10.5680



19.8755, 31.8445, 28.9549



28.1985, 31.8445, 81.0272



43.7665, 31.8445, 41.0989

Rectangle

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



32.4348, 31.8445, 10.5680



23.1703, 31.8445, 14.3445



28.1985, 31.8445, 81.0272



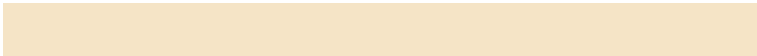
38.6829, 31.8445, 68.5164

Sweetspot

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



32.4355, 31.8461, 10.5686



75.4759, 78.7933, 64.8310



26.5057, 16.7346, 18.6168



15.9145, 16.5799, 13.0096



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.



32.4355, 31.8461, 10.5686



54.4682, 51.6754, 11.9017



37.1249, 46.0172, 13.0568



10.0195, 10.5149, 10.0781



18.6776, 16.3939, 2.1799



0.7920, 0.7630, 0.1055

Inverse Universe

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



17.9881, 17.3124, 50.5372



26.5540, 23.6817, 89.3977



15.3085, 10.2710, 49.3193



9.2959, 9.7841, 12.0708



7.6982, 5.5081, 33.0503



0.3646, 0.3418, 1.3156

Previews

White Background



This preview shows how the XYZ color 32.4348, 31.8445, 10.5680 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 32.4348, 31.8445, 10.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

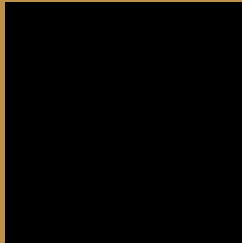
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4348, 31.8445, 10.5680

Background



This preview shows how black text looks on a background with the XYZ color 32.4348, 31.8445, 10.5680.



This preview shows how white text looks on a background with the XYZ color 32.4348, 31.8445,

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

32.4348, 31.8445, 10.5680

Protanopia

29.2048, 31.8229, 11.0817

Deuteranopia

32.4348, 31.8445, 10.5680



Tritanopia

36.9395, 31.9172, 32.2307

Trichromacy



Original Color

32.4348, 31.8445, 10.5680

Protanomaly

30.2404, 31.6408, 10.8168

Deuteranomaly

32.4348, 31.8445, 10.5680

Tritanomaly

34.9074, 31.7433, 22.0565

Monochromacy



Original Color

32.4348, 31.8445, 10.5680

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5701, 30.7925, 22.7974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4348, 31.8445, 10.5680 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(189, 146, 72)` looks like.

```
.text, #text, p{  
    color:rgb(189, 146, 72)  
}
```

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(189, 146, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 146, 72) }
```

Border

The CSS property to change the border of an element to XYZ 32.4348, 31.8445, 10.5680 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(189, 146, 72) }
```


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

```
.border{ border-color:rgb(189, 146, 72) }
```

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

Here you see how a box with a 4 pixel rgb(189, 146, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 146, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 146, 72);  
box-shadow:4px 4px 4px 4px rgb(189, 146,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4348, 31.8445, 10.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 146, 72) }
```

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

```
.background{ background-color: rgb(189,  
146, 72) }
```

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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