

Converting Colors

XYZ(32.7855, 33.1170, 10.5329)

Have a look what the booklet for
XYZ(32.7855, 33.1170, 10.5329)
contains.

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Color

**XYZ(32.9111, 33.2668,
10.4809)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9746
RGB	188, 151, 70
RGB Percent	74%, 59%, 27%
CMY	0.2627, 0.4078, 0.7255
CMYK	0.00, 0.20, 0.63, 0.26
HSL	41°, 47%, 51%
HSV	41°, 63%, 74%
XYZ	32.9111, 33.2668, 10.4809
YIQ	152.8290, 48.0530, -17.3470

Conversions

Conversions Part 2

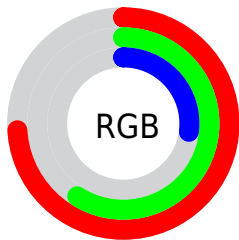
Format	Color
RYB	124, 188, 70
Decimal	12359494
CIELab	64.38, 4.66, 46.92
CIElCh	64, 47.151, 84.333
Yxy	33.2668, 0.4293, 0.4340
Android (android.graphics.Color)	4290549574 (0xFFBC9746)
YUV	152.8290, -40.8347, 30.8450
Hunter-Lab	57.6774, 0.9179, 29.6002

Details

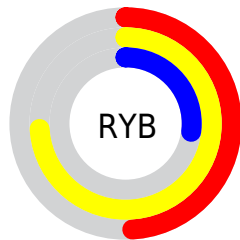
The XYZ color **32.9111, 33.2668, 10.4809** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.8603, 15.4476, 49.6696**, and the grayscale version is **30.3620, 31.9432, 34.7861**.

A 20% lighter version of the original color is **63.6403, 64.8173, 27.2459**, and **14.0264, 13.9833, 2.5320** is the 20% darker color. If you saturate the color by 10%, you get **31.4833, 31.2169, 7.5215**, and if you desaturate by 10%, it is **34.5737, 35.4891, 14.4356**.

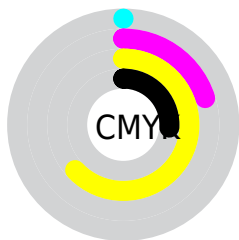
Distribution



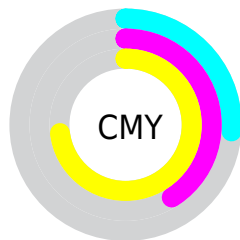
- Red (74%)
- Green (59%)
- Blue (27%)



- Red (49%)
- Yellow (74%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (63%)
- Black (26%)



- Cyan (26%)
- Magenta (41%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9111, 33.2668, 10.4809 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 32.9111, 33.2668, 10.4809 by changing the saturation by 10% instead.

■ 32.9111, 33.2668,
10.4809

■ 32.9111, 33.2668,
10.4809

306.9210,
316.8502, 204.6787

■ 22.2173, 22.3309,
5.6092

■ 63.5923, 64.7918,
27.3180

■ 14.1341, 14.1002,
2.5440

■ 84.3104, 86.1498,
40.1205

■ 8.2963, 8.1904,
0.8634

■ 109.1006,
111.7505, 56.4037

■ 4.3385, 4.2170,
0.0000

■ 138.3283,
141.9785, 76.5861

■ 1.8954, 1.7957,
0.0000

■ 172.3588,
177.2181, 101.0862

■ 0.5742, 0.4845,
0.0000

211.5576,

■ 0.0000, 0.0000,

217.8536, 130.3227

0.0000

256.2899,
264.2695, 164.7140

■ 32.9111, 33.2668,
10.4809

■ 32.9111, 33.2668,
10.4809

■ 31.4833, 31.2169,
7.5215

■ 34.5737, 35.4891,
14.4356

■ 30.2692, 29.3259,
5.4605

■ 36.4851, 37.8866,
19.4665

■ 29.2473, 27.5855,
4.1845

■ 38.6607, 40.4678,
25.6485

■ 28.5968, 26.4071,
3.5899

■ 41.1140, 43.2392,
33.0489

■ 43.8574, 46.2066,
41.7302

■ 46.9024, 49.3758,
51.7502

■ 50.2601, 52.7520,
63.1635

■ 53.9407, 56.3404,
76.0213

■ 57.9539, 60.1457,
90.3725

Harmonies

Analogous

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



39.7596, 33.2668, 13.7223



32.9111, 33.2668, 10.4809



26.5924, 33.2668, 11.8982

Triad

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



32.9111, 33.2668, 10.4809



21.2545, 33.2668, 53.6918



43.3098, 33.2668, 62.3395

Complementary

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



32.9111, 33.2668, 10.4809



16.8603, 15.4476, 49.6696

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.



37.2424, 33.2668, 81.4338



32.9111, 33.2668, 10.4809



24.6732, 33.2668, 75.3276

Square

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



32.9111, 33.2668, 10.4809



20.4336, 33.2668, 32.6923



30.3614, 33.2668, 86.8773



46.2843, 33.2668, 39.9968

Rectangle

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



32.9111, 33.2668, 10.4809



23.4282, 33.2668, 15.6897



30.3614, 33.2668, 86.8773



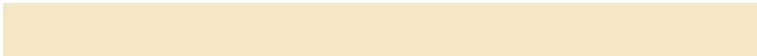
41.5261, 33.2668, 69.6268

Sweetspot

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



32.9119, 33.2684, 10.4816



76.1702, 80.1819, 65.0625



25.6024, 16.1412, 15.7778



16.0837, 16.9182, 13.0659



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.



32.9119, 33.2684, 10.4816



56.2551, 55.3574, 12.1633



34.8915, 44.5550, 12.5558



10.0631, 10.6021, 10.0927



19.5392, 18.1171, 2.4671



0.8214, 0.8217, 0.1153

Inverse Universe

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



16.8603, 15.4476, 49.6696



24.9562, 20.7158, 88.9094



15.6446, 10.2680, 48.7339



9.2540, 9.7004, 12.0568



7.3023, 4.7164, 32.9184



0.3462, 0.3051, 1.3095

Previews

White Background



This preview shows how the XYZ color 32.9111, 33.2668, 10.4809 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 32.9111, 33.2668, 10.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

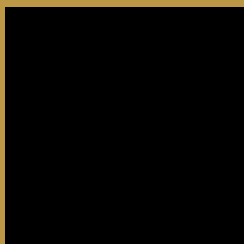
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9111, 33.2668, 10.4809

Background



This preview shows how black text looks on a background with the XYZ color 32.9111, 33.2668, 10.4809.



This preview shows how white text looks on a background with the XYZ color 32.9111, 33.2668,

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

32.9111, 33.2668, 10.4809

Protanopia

30.4603, 33.4661, 10.9851

Deuteranopia

33.8771, 33.2873, 10.6008



Tritanopia

37.9284, 33.2480, 34.5555

Trichromacy



Original Color

32.9111, 33.2668, 10.4809

Protanomaly

31.2188, 33.3626, 10.7555

Deuteranomaly

33.5295, 33.3440, 10.6301

Tritanomaly

35.4388, 32.8873, 23.2190

Monochromacy



Original Color

32.9111, 33.2668, 10.4809

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5293, 31.9935, 23.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9111, 33.2668, 10.4809 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(188, 151, 70)` looks like.

```
.text, #text, p{  
    color:rgb(188, 151, 70)  
}
```

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(188, 151, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 151, 70) }
```

Border

The CSS property to change the border of an element to XYZ 32.9111, 33.2668, 10.4809 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(188, 151, 70) }
```


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

```
.border{ border-color:rgb(188, 151, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 151, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 151, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 151, 70);  
box-shadow:4px 4px 4px 4px rgb(188, 151,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9111, 33.2668, 10.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 151, 70) }
```

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

```
.background{ background-color: rgb(188,  
151, 70) }
```

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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