

Converting Colors

XYZ(32.9344, 32.6052, 9.4268)

Have a look what the booklet for
XYZ(32.9344, 32.6052, 9.4268)
contains.

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Color

**XYZ(33.0012, 32.6263,
9.4087)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9440
RGB	191, 148, 64
RGB Percent	75%, 58%, 25%
CMY	0.2510, 0.4196, 0.7490
CMYK	0.00, 0.23, 0.66, 0.25
HSL	40°, 50%, 50%
HSV	40°, 66%, 75%
XYZ	33.0012, 32.6263, 9.4087
YIQ	151.2810, 52.5920, -17.0080

Conversions

Conversions Part 2

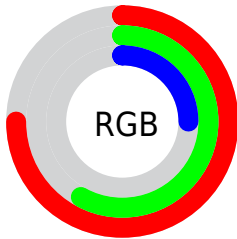
Format	Color
RYB	129, 191, 64
Decimal	12555328
CIELab	63.86, 7.21, 49.26
CIELCh	64, 49.790, 81.669
Yxy	32.6263, 0.4398, 0.4348
Android (android.graphics.Color)	4290745408 (0xFFBF9440)
YUV	151.2810, -43.0295, 34.8336
Hunter-Lab	57.1194, 3.1708, 30.2174

Details

The XYZ color **33.0012, 32.6263, 9.4087** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.7759, 15.3665, 51.3719**, and the grayscale version is **29.6995, 31.2462, 34.0271**.

A 20% lighter version of the original color is **63.6394, 63.8029, 25.1807**, and **14.2430, 13.8212, 2.1468** is the 20% darker color. If you saturate the color by 10%, you get **31.5621, 30.4740, 6.6914**, and if you desaturate by 10%, it is **34.6846, 34.9695, 13.1262**.

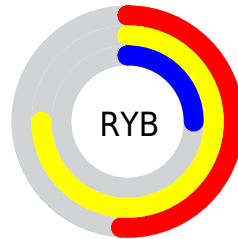
Distribution



Red (75%)

Green (58%)

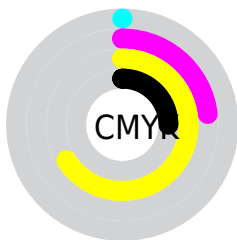
Blue (25%)



Red (51%)

Yellow (75%)

Blue (25%)

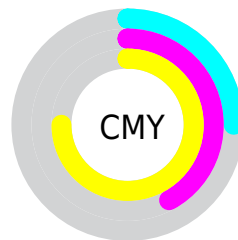


Cyan (0%)

Magenta (23%)

Yellow (66%)

Black (25%)



Cyan (25%)

Magenta (42%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0012, 32.6263, 9.4087 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 33.0012, 32.6263, 9.4087 by changing the saturation by 10% instead.


 33.0012, 32.6263,
9.4087

 33.0012, 32.6263,
9.4087


307.3200,
313.9624, 196.7271


 22.2866, 21.8403,
4.9083


 63.7321, 63.7916,
25.2674


 14.1854, 13.7396,
2.1357


 84.4791, 84.9398,
37.4628


 8.3323, 7.9398,
0.6369


 109.3009,
110.3108, 53.0602

 4.3619, 4.0564,
0.0000

 138.5629,
140.2891, 72.4782

 1.9088, 1.7052,
0.0000

 172.6305,
175.2590, 96.1354

 0.5820, 0.4270,
0.0000

211.8689,

 0.0000, 0.0000,

215.6049, 124.4502

0.0000

256.6437,
261.7113, 157.8413

■ 33.0012, 32.6263,
9.4087

■ 33.0012, 32.6263,
9.4087

■ 31.5621, 30.4740,
6.6914

■ 34.6846, 34.9695,
13.1262

■ 30.3441, 28.4982,
4.8672

■ 36.6281, 37.5076,
17.9323

■ 29.3210, 26.6880,
3.7984

■ 38.8484, 40.2499,
23.9081

■ 28.9898, 26.0843,
3.5069

■ 41.3601, 43.2036,
31.1261

■ 44.1768, 46.3755,
39.6531

■ 47.3108, 49.7719,
49.5508

■ 50.7740, 53.3988,
60.8773

■ 54.5775, 57.2618,
73.6872

■ 58.7318, 61.3665,
88.0321

Harmonies

Analogous

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



40.1273, 32.6263, 13.0577



33.0012, 32.6263, 9.4087



26.3021, 32.6263, 10.3969

Triad

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



33.0012, 32.6263, 9.4087



20.1103, 32.6263, 51.7397



42.8095, 32.6263, 65.1880

Complementary

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



33.0012, 32.6263, 9.4087



16.7759, 15.3665, 51.3719

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.



36.2493, 32.6263, 84.7249



33.0012, 32.6263, 9.4087



23.3908, 32.6263, 75.1430

Square

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



33.0012, 32.6263, 9.4087



19.5103, 32.6263, 30.2281



29.1012, 32.6263, 88.9282



46.3216, 32.6263, 41.4061

Rectangle

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



33.0012, 32.6263, 9.4087



22.8967, 32.6263, 13.8123



29.1012, 32.6263, 88.9282



40.8447, 32.6263, 72.7899

Sweetspot

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



33.0020, 32.6279, 9.4093



77.1252, 80.8388, 64.8921



26.0502, 15.8358, 15.9974



16.6217, 17.3971, 13.2993



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.



33.0020, 32.6279, 9.4093



55.4393, 52.8508, 10.2373



36.5585, 46.3967, 11.8795



10.0428, 10.5616, 10.0859



19.1287, 17.2961, 2.3303



0.8075, 0.7940, 0.1107

Inverse Universe

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



16.7759, 15.3665, 51.3719



24.4308, 19.9993, 90.8517



14.8094, 9.2701, 50.2988



9.2734, 9.7392, 12.0633



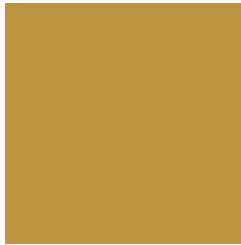
7.4773, 5.0664, 32.9767



0.3545, 0.3217, 1.3123

Previews

White Background



This preview shows how the XYZ color 33.0012, 32.6263, 9.4087 looks on a white background.

Color Contrast Check

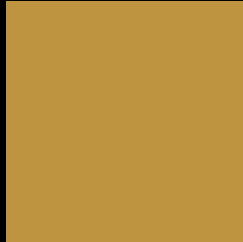
Large Text (above 18pt) WCAG AA × Fail

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 33.0012, 32.6263, 9.4087 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 33.0012, 32.6263, 9.4087

Background



This preview shows how black text looks on a background with the XYZ color 33.0012, 32.6263, 9.4087.



This preview shows how white text looks on a background with the XYZ color 33.0012, 32.6263,

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

33.0012, 32.6263, 9.4087

Protanopia

29.7180, 32.6067, 9.8817

Deuteranopia

33.0974, 32.4441, 9.3684



Tritanopia

37.7636, 32.5376, 33.1442

Trichromacy



Original Color

33.0012, 32.6263, 9.4087

Protanomaly

30.7728, 32.4218, 9.6372

Deuteranomaly

33.0974, 32.4441, 9.3684

Tritanomaly

35.5085, 32.2800, 21.8119

Monochromacy



Original Color

33.0012, 32.6263, 9.4087

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9620, 31.2516, 21.9058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0012, 32.6263, 9.4087 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, 148, 64)` looks like.

```
.text, #text, p{  
    color:rgb(191, 148, 64)  
}
```

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, 148, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 148, 64) }
```

Border

The CSS property to change the border of an element to XYZ 33.0012, 32.6263, 9.4087 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, 148, 64) }
```


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

```
.border{ border-color:rgb(191, 148, 64) }
```

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

Here you see how a box with a 4 pixel rgb(191, 148, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 148, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 148, 64);  
box-shadow:4px 4px 4px 4px rgb(191, 148,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0012, 32.6263, 9.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 148, 64) }
```

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

```
.background{ background-color: rgb(191,  
148, 64) }
```

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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