

Converting Colors

XYZ(33.7708, 32.8017, 16.6297)

Have a look what the booklet for
XYZ(33.7708, 32.8017, 16.6297)
contains.

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Color

**XYZ(33.8764, 32.9187,
16.6251)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9464
RGB	189, 148, 100
RGB Percent	74%, 58%, 39%
CMY	0.2588, 0.4196, 0.6078
CMYK	0.00, 0.22, 0.47, 0.26
HSL	32°, 40%, 57%
HSV	32°, 47%, 74%
XYZ	33.8764, 32.9187, 16.6251
YIQ	154.7870, 39.8440, -6.2360

Conversions

Conversions Part 2

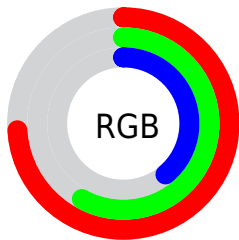
Format	Color
R_{YB}	176, 189, 100
Decimal	12424292
CIE Lab	64.10, 9.27, 31.20
CIE LCh	64, 32.546, 73.454
Yxy	32.9187, 0.4061, 0.3946
Android (android.graphics.Color)	4290614372 (0xFFBD9464)
YUV	154.7870, -27.0100, 30.0048
Hunter-Lab	57.3748, 4.9876, 22.9823

Details

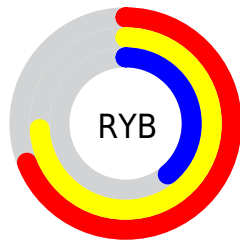
The XYZ color **33.8764, 32.9187, 16.6251** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **23.9654, 25.4323, 51.7898**, and the grayscale version is **31.1655, 32.7885, 35.7067**.

A 20% lighter version of the original color is **65.1458, 64.2822, 38.6799**, and **14.5674, 13.7839, 5.1416** is the 20% darker color. If you saturate the color by 10%, you get **31.7512, 29.9664, 11.9152**, and if you desaturate by 10%, it is **36.3182, 36.1645, 22.4881**.

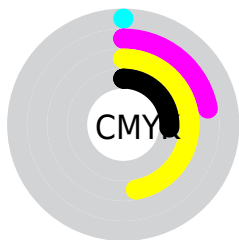
Distribution



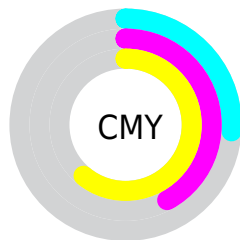
- Red (74%)
- Green (58%)
- Blue (39%)



- Red (69%)
- Yellow (74%)
- Blue (39%)



- Cyan (0%)
- Magenta (22%)
- Yellow (47%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8764, 32.9187, 16.6251 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 33.8764, 32.9187, 16.6251 by changing the saturation by 10% instead.


 33.8764, 32.9187,
16.6251


 33.8764, 32.9187,
16.6251

311.1762,
315.2832, 244.9730


 22.9611, 22.0642,
9.8084


 65.0870, 64.2486,
38.4618

 14.6853, 13.9041,
5.1682


 86.1130, 85.4927,
54.3190

 8.6837, 8.0540,
2.2858


 111.2399,
110.9689, 74.0267

 4.5909, 4.1295,
0.7233

 140.8332,
141.0614, 98.0036

 2.0416, 1.7463,
0.0000

175.2580,
176.1547, 126.6681

 0.6571, 0.4533,
0.0000

214.8799,

 0.0000, 0.0000,

216.6332, 160.4388

0.0000

260.0642,
262.8812, 199.7342

■ 33.8764, 32.9187,
16.6251

■ 33.8764, 32.9187,
16.6251

■ 31.7512, 29.9664,
11.9152

■ 36.3182, 36.1645,
22.4881

■ 29.9230, 27.2924,
8.2774

■ 39.0897, 39.7088,
29.5739

■ 28.3735, 24.8869,
5.6228

■ 42.2063, 43.5623,
37.9488

■ 27.0807, 22.7372,
3.8477

■ 45.6814, 47.7338,
47.6738

■ 26.0147, 20.8275,
2.8070

■ 49.5277, 52.2314,
58.8061

■ 25.7318, 20.3100,
2.5640

■ 53.7574, 57.0630,
71.3993

■ 58.3817, 62.2364,
85.5045

■ 63.4117, 67.7588,
101.1700

■ 66.3298, 72.6260,
105.1300

Harmonies

Analogous

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



38.1613, 32.9187, 21.0858



33.8764, 32.9187, 16.6251



29.2742, 32.9187, 16.4140

Triad

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



33.8764, 32.9187, 16.6251



23.4473, 32.9187, 42.0685



37.7773, 32.9187, 57.5659

Complementary

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



33.8764, 32.9187, 16.6251



23.9654, 25.4323, 51.7898

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.



33.3926, 32.9187, 66.5701



33.8764, 32.9187, 16.6251



25.2943, 32.9187, 56.2503

Square

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



33.8764, 32.9187, 16.6251



23.5494, 32.9187, 29.0996



28.8354, 32.9187, 66.0369



40.5601, 32.9187, 43.5549

Rectangle

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



33.8764, 32.9187, 16.6251



26.6593, 32.9187, 18.5844



28.8354, 32.9187, 66.0369



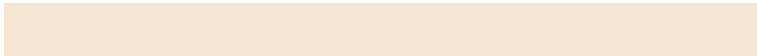
36.4242, 32.9187, 61.4162

Sweetspot

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



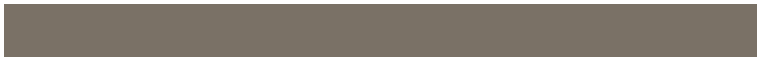
33.8772, 32.9203, 16.6258



77.3082, 80.1021, 72.7049



30.3911, 21.8725, 28.0282



16.3454, 16.8872, 14.8626



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.



33.8772, 32.9203, 16.6258



56.5775, 53.2572, 20.7336



40.7556, 47.7585, 19.1273



9.9449, 10.3658, 10.0533



17.3904, 13.8196, 1.7509



0.7460, 0.6708, 0.0902

Inverse Universe

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



23.9654, 25.4323, 51.7898



36.5959, 38.1761, 91.6661



19.3325, 15.6705, 50.1497



9.3689, 9.9300, 12.0951



8.5512, 7.2142, 33.3347



0.4004, 0.4135, 1.3276

Previews

White Background



This preview shows how the XYZ color 33.8764, 32.9187, 16.6251 looks on a white background.

Color Contrast Check

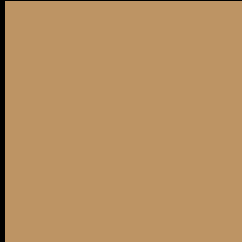
Large Text (above 18pt) WCAG AA × Fail

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 33.8764, 32.9187, 16.6251 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 33.8764, 32.9187, 16.6251

Background



This preview shows how black text looks on a background with the XYZ color 33.8764, 32.9187, 16.6251.



This preview shows how white text looks on a background with the XYZ color 33.8764, 32.9187,

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

33.8764, 32.9187, 16.6251

Protanopia

30.6988, 33.1912, 17.6205

Deuteranopia

33.5412, 32.9798, 16.6545



Tritanopia

37.4405, 32.7861, 34.0608

Trichromacy



Original Color

33.8764, 32.9187, 16.6251

Protanomaly

31.6940, 32.9719, 17.2641

Deuteranomaly

33.7867, 33.1064, 16.6660

Tritanomaly

35.9451, 32.8464, 26.6358

Monochromacy



Original Color

33.8764, 32.9187, 16.6251

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5378, 32.4212, 27.5174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8764, 32.9187, 16.6251 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, 148, 100)` looks like.

```
.text, #text, p{  
    color:rgb(189, 148, 100)  
}
```

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, 148, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 148, 100) }
```

Border

The CSS property to change the border of an element to XYZ 33.8764, 32.9187, 16.6251 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, 148, 100) }
```


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

```
.border{ border-color:rgb(189, 148, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 148, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 148, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 148, 100);  
box-shadow:4px 4px 4px 4px rgb(189, 148,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8764, 32.9187, 16.6251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 148, 100) }
```

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

```
.background{ background-color: rgb(189,  
148, 100) }
```

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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