

Converting Colors

XYZ(32.8954, 32.2329, 13.6684)

Have a look what the booklet for
XYZ(32.8954, 32.2329, 13.6684)
contains.

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Color

**XYZ(32.9342, 32.2634,
13.7242)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9358
RGB	188, 147, 88
RGB Percent	74%, 58%, 35%
CMY	0.2627, 0.4235, 0.6549
CMYK	0.00, 0.22, 0.53, 0.26
HSL	35°, 43%, 54%
HSV	35°, 53%, 74%
XYZ	32.9342, 32.2634, 13.7242
YIQ	152.5330, 43.3750, -9.6570

Conversions

Conversions Part 2

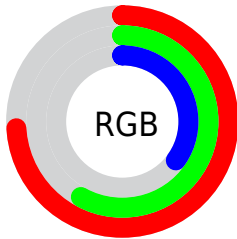
Format	Color
RYB	157, 188, 88
Decimal	12358488
CIELab	63.56, 8.26, 36.89
CIELCh	64, 37.807, 77.385
Yxy	32.2634, 0.4173, 0.4088
Android (android.graphics.Color)	4290548568 (0xFFBC9358)
YUV	152.5330, -31.8148, 31.1046
Hunter-Lab	56.8009, 4.0961, 25.4350

Details

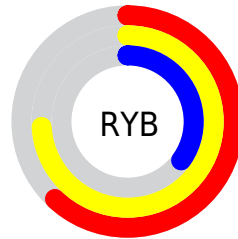
The XYZ color **32.9342, 32.2634, 13.7242** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.9515, 21.4052, 50.6041**, and the grayscale version is **30.1966, 31.7692, 34.5967**.

A 20% lighter version of the original color is **63.5529, 63.2302, 33.2811**, and **14.1734, 13.6081, 3.8871** is the 20% darker color. If you saturate the color by 10%, you get **31.0952, 29.6752, 9.7521**, and if you desaturate by 10%, it is **35.0559, 35.0957, 18.7818**.

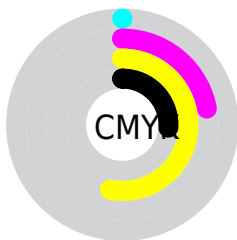
Distribution



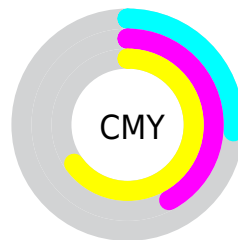
- Red (74%)
- Green (58%)
- Blue (35%)



- Red (62%)
- Yellow (74%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (53%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9342, 32.2634, 13.7242 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 32.9342, 32.2634, 13.7242 by changing the saturation by 10% instead.


 32.9342, 32.2634,
13.7242

 32.9342, 32.2634,
13.7242


307.0234,
312.3174, 226.8767


 22.2350, 21.5628,
7.7925


 63.6282, 63.2238,
33.3089

 14.1473, 13.5360,
3.8766


 84.3537, 84.2523,
47.7990


 8.3056, 7.7987,
1.5579


 109.1520,
109.4923, 65.9791

 4.3445, 3.9664,
0.2605

 138.3885,
139.3281, 88.2675

 1.8988, 1.6548,
0.0000

 172.4285,
174.1441, 115.0830

 0.5762, 0.3941,
0.0000

211.6374,

 0.0000, 0.0000,

214.3247, 146.8440

0.0000

256.3806,
260.2544, 183.9690

■ 32.9342, 32.2634,
13.7242

■ 32.9342, 32.2634,
13.7242

■ 31.0952, 29.6752,
9.7521

■ 35.0559, 35.0957,
18.7818

■ 29.5193, 27.3169,
6.7801

■ 37.4735, 38.1761,
24.9979

■ 28.1874, 25.1796,
4.7128

■ 40.2022, 41.5141,
32.4410

■ 27.0761, 23.2514,
3.4350

■ 43.2552, 45.1175,
41.1739

■ 26.4156, 22.0446,
2.8628

■ 46.6449, 48.9934,
51.2551

■ 50.3830, 53.1486,
62.7393

■ 54.4806, 57.5898,
75.6784

■ 58.9483, 62.3233,
90.1213

■ 63.4395, 67.2124,
104.2374

Harmonies

Analogous

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



38.0577, 32.2634, 17.7959



32.9342, 32.2634, 13.7242



27.7337, 32.2634, 14.0613

Triad

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



32.9342, 32.2634, 13.7242



21.9690, 32.2634, 44.5427



38.7513, 32.2634, 58.6943

Complementary

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



32.9342, 32.2634, 13.7242



20.9515, 21.4052, 50.6041

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.



33.7968, 32.2634, 70.7795



32.9342, 32.2634, 13.7242



24.2982, 32.2634, 61.1344

Square

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



32.9342, 32.2634, 13.7242



21.7946, 32.2634, 29.1598



28.5033, 32.2634, 71.7824



41.6659, 32.2634, 41.8626

Rectangle

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



32.9342, 32.2634, 13.7242



24.9103, 32.2634, 16.7351



28.5033, 32.2634, 71.7824



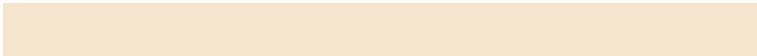
37.2449, 32.2634, 63.6325

Sweetspot

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



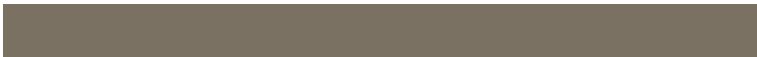
32.9350, 32.2650, 13.7248



76.6306, 79.7113, 69.5054



28.2358, 19.2739, 23.2343



16.2320, 16.8508, 14.2375



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.



32.9350, 32.2650, 13.7248



55.7901, 52.9570, 16.5416



38.4895, 46.3342, 16.1477



9.9853, 10.4467, 10.0668



18.0598, 15.1583, 1.9740



0.7703, 0.7195, 0.0983

Inverse Universe

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



20.9515, 21.4052, 50.6041



31.7737, 31.2336, 90.5802



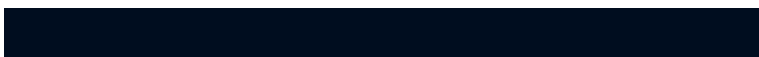
17.4261, 13.1156, 49.1898



9.3291, 9.8504, 12.0818



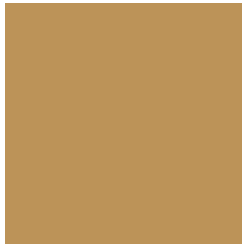
8.0598, 6.2313, 33.1709



0.3803, 0.3732, 1.3208

Previews

White Background



This preview shows how the XYZ color 32.9342, 32.2634, 13.7242 looks on a white background.

Color Contrast Check

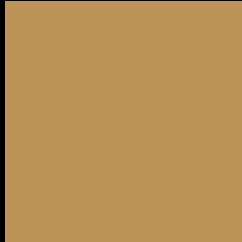
Large Text (above 18pt) WCAG AA × Fail

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 32.9342, 32.2634, 13.7242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

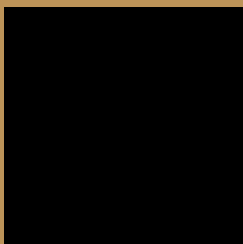
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9342, 32.2634, 13.7242

Background



This preview shows how black text looks on a background with the XYZ color 32.9342, 32.2634, 13.7242.



This preview shows how white text looks on a background with the XYZ color 32.9342, 32.2634,

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

32.9342, 32.2634, 13.7242

Protanopia

29.8061, 32.3015, 14.5614

Deuteranopia

32.9342, 32.2634, 13.7242



Tritanopia

36.8754, 32.2956, 33.1443

Trichromacy



Original Color

32.9342, 32.2634, 13.7242

Protanomaly

30.8166, 32.1015, 14.2449

Deuteranomaly

32.9342, 32.2634, 13.7242

Tritanomaly

35.1391, 32.2536, 24.4522

Monochromacy



Original Color

32.9342, 32.2634, 13.7242

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7549, 31.8252, 25.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9342, 32.2634, 13.7242 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, 147, 88)` looks like.

```
.text, #text, p{  
    color:rgb(188, 147, 88)  
}
```

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, 147, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 147, 88) }
```

Border

The CSS property to change the border of an element to XYZ 32.9342, 32.2634, 13.7242 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, 147, 88) }
```


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

```
.border{ border-color:rgb(188, 147, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 147, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 147, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 147, 88);  
box-shadow:4px 4px 4px 4px rgb(188, 147,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9342, 32.2634, 13.7242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 147, 88) }
```

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

```
.background{ background-color: rgb(188,  
147, 88) }
```

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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