

Converting Colors

XYZ(34.4117, 32.8460, 19.8955)

Have a look what the booklet for
XYZ(34.4117, 32.8460, 19.8955)
contains.

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Color

**XYZ(34.3446, 32.8561,
19.8609)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9370
RGB	189, 147, 112
RGB Percent	74%, 58%, 44%
CMY	0.2588, 0.4235, 0.5608
CMYK	0.00, 0.22, 0.41, 0.26
HSL	27°, 37%, 59%
HSV	27°, 41%, 74%
XYZ	34.3446, 32.8561, 19.8609
YIQ	155.5680, 36.2670, -1.9810

Conversions

Conversions Part 2

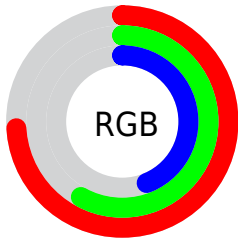
Format	Color
RYB	189, 176, 112
Decimal	12424048
CIELab	64.04, 11.11, 24.58
CIELCh	64, 26.977, 65.673
Yxy	32.8561, 0.3945, 0.3774
Android (android.graphics.Color)	4290614128 (0xFFBD9370)
YUV	155.5680, -21.4790, 29.3199
Hunter-Lab	57.3202, 6.6415, 19.5808

Details

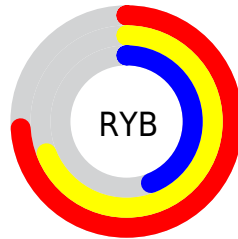
The XYZ color **34.3446, 32.8561, 19.8609** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.4225, 30.2289, 52.5335**, and the grayscale version is **31.4895, 33.1294, 36.0779**.

A 20% lighter version of the original color is **65.9453, 64.2278, 44.0435**, and **14.9398, 13.8042, 6.7276** is the 20% darker color. If you saturate the color by 10%, you get **31.8691, 29.4162, 14.3777**, and if you desaturate by 10%, it is **37.1863, 36.6748, 26.5567**.

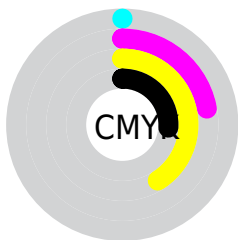
Distribution



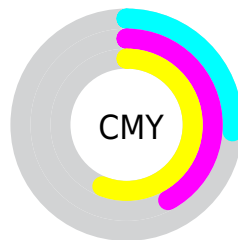
- Red (74%)
- Green (58%)
- Blue (44%)



- Red (74%)
- Yellow (69%)
- Blue (44%)



- Cyan (0%)
- Magenta (22%)
- Yellow (41%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3446, 32.8561, 19.8609 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 34.3446, 32.8561, 19.8609 by changing the saturation by 10% instead.


 34.3446, 32.8561,
19.8609


 34.3446, 32.8561,
19.8609


313.2248,
315.0008, 263.7404


 23.3226, 22.0162,
12.1109


 65.8099, 64.1508,
44.0398


 14.9539, 13.8688,
6.6958


 86.9840, 85.3744,
61.3057

 8.8731, 8.0295,
3.1970


 112.2727,
110.8281, 82.5807

 4.7150, 4.1138,
1.1961

 142.0416,
140.8962, 108.2833

 2.1140, 1.7374,
0.0000

176.6558,
175.9631, 138.8320

 0.6968, 0.4477,
0.0000

216.4809,

 0.0000, 0.0000,

216.4133, 174.6454

0.0000

261.8821,
262.6310, 216.1420

■ 34.3446, 32.8561,
19.8609

■ 34.3446, 32.8561,
19.8609

■ 31.8691, 29.4162,
14.3777

■ 37.1863, 36.6748,
26.5567

■ 29.7397, 26.3373,
10.0303

■ 40.4080, 40.8799,
34.5312

■ 27.9378, 23.6070,
6.7365


■ 44.0259, 45.4847,
43.8482


■ 26.4415, 21.2100,
4.4017


■ 48.0543, 50.5003,
54.5667


■ 25.2256, 19.1293,
2.9139


■ 52.5067, 55.9372,
66.7418

 24.3076, 17.4616,
2.0893

 57.3961, 61.8058,
80.4261

 62.7347, 68.1159,
95.6691

 67.1855, 74.3374,
105.4152

 70.1308, 80.2279,
106.3970

Harmonies

Analogous

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



37.5656, 32.8561, 24.8819



34.3446, 32.8561, 19.8609



30.5102, 32.8561, 18.6956

Triad

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



34.3446, 32.8561, 19.8609



24.4917, 32.8561, 37.8890



35.6984, 32.8561, 55.6671

Complementary

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



34.3446, 32.8561, 19.8609



27.4225, 30.2289, 52.5335

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.



31.9585, 32.8561, 60.9757



34.3446, 32.8561, 19.8609



25.6479, 32.8561, 49.4568

Square

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



34.3446, 32.8561, 19.8609



25.0180, 32.8561, 27.8097



28.3073, 32.8561, 58.4987



38.3906, 32.8561, 45.1315

Rectangle

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



34.3446, 32.8561, 19.8609



28.1614, 32.8561, 20.0020



28.3073, 32.8561, 58.4987



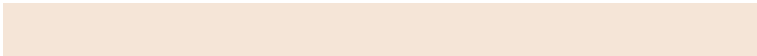
34.5111, 32.8561, 58.2100

Sweetspot

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



34.3454, 32.8577, 19.8616



77.8648, 80.2207, 75.9562



32.6425, 24.7522, 33.7823



16.5574, 17.0145, 15.8473



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.



34.3454, 32.8577, 19.8616



57.4745, 53.2454, 26.5993



41.2913, 46.7494, 22.1768



9.8778, 10.2315, 10.0309



16.4294, 11.8975, 1.4305



0.7089, 0.5968, 0.0778

Inverse Universe

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



27.4225, 30.2289, 52.5335



43.3581, 47.8727, 93.1814



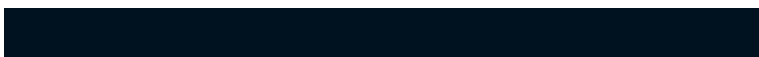
22.0958, 19.5754, 50.7579



9.4360, 10.0644, 12.1175



9.5262, 9.1640, 33.6597



0.4377, 0.4882, 1.3400

Previews

White Background



This preview shows how the XYZ color 34.3446, 32.8561, 19.8609 looks on a white background.

Color Contrast Check

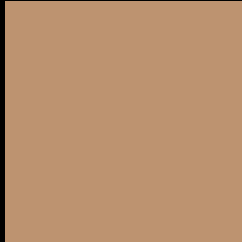
Large Text (above 18pt) WCAG AA × Fail

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 34.3446, 32.8561, 19.8609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

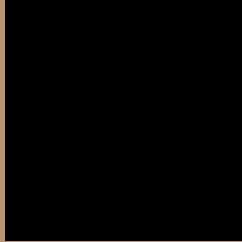
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3446, 32.8561, 19.8609

Background



This preview shows how black text looks on a background with the XYZ color 34.3446, 32.8561, 19.8609.



This preview shows how white text looks on a background with the XYZ color 34.3446, 32.8561,

19.8609.

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

34.3446, 32.8561, 19.8609

Protanopia

30.8101, 32.9191, 21.2532

Deuteranopia

33.6797, 32.9790, 19.9197



Tritanopia

37.3328, 32.9505, 34.0982

Trichromacy



Original Color

34.3446, 32.8561, 19.8609

Protanomaly

32.0019, 32.8082, 20.8656

Deuteranomaly

33.7642, 32.7888, 19.8785

Tritanomaly

36.2268, 32.9591, 28.1193

Monochromacy



Original Color

34.3446, 32.8561, 19.8609

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2733, 33.0007, 29.4797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3446, 32.8561, 19.8609 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, 147, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 147, 112)  
}
```

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, 147, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 147, 112) }
```

Border

The CSS property to change the border of an element to XYZ 34.3446, 32.8561, 19.8609 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, 147, 112) }
```


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

```
.border{ border-color:rgb(189, 147, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 147, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 147, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 147, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 147,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3446, 32.8561, 19.8609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 147, 112) }
```

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

```
.background{ background-color: rgb(189,  
147, 112) }
```

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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