

Converting Colors

XYZ(33.2931, 34.7695, 16.0348)

Have a look what the booklet for
XYZ(33.2931, 34.7695, 16.0348)
contains.

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Color

**XYZ(33.2243, 34.7822,
16.0289)**

Conversions

Conversions Part 1

Format	Color
Hex	B59D60
RGB	181, 157, 96
RGB Percent	71%, 62%, 38%
CMY	0.2902, 0.3843, 0.6235
CMYK	0.00, 0.13, 0.47, 0.29
HSL	43°, 36%, 54%
HSV	43°, 47%, 71%
XYZ	33.2243, 34.7822, 16.0289
YIQ	157.2220, 33.8850, -13.8830

Conversions

Conversions Part 2

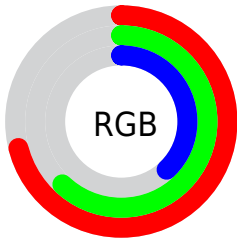
Format	Color
R_{YB}	129, 181, 96
Decimal	11902304
CIE _{Lab}	65.58, 0.58, 35.05
CIE _{LCh}	66, 35.054, 89.046
Yxy	34.7822, 0.3954, 0.4139
Android (android.graphics.Color)	4290092384 (0xFFB59D60)
YUV	157.2220, -30.1824, 20.8533
Hunter-Lab	58.9764, -2.6510, 25.1694

Details

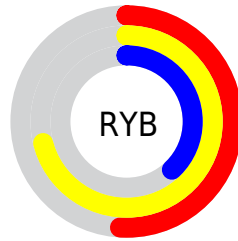
The XYZ color **33.2243, 34.7822, 16.0289** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.8806, 19.2552, 46.3846**, and the grayscale version is **32.2695, 33.9501, 36.9716**.

A 20% lighter version of the original color is **63.8995, 66.9038, 37.5628**, and **14.2917, 14.9571, 4.9301** is the 20% darker color. If you saturate the color by 10%, you get **31.6388, 32.7948, 11.8518**, and if you desaturate by 10%, it is **35.0395, 36.9219, 21.2299**.

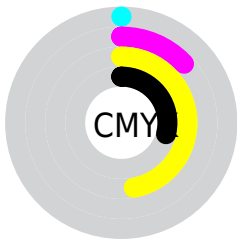
Distribution



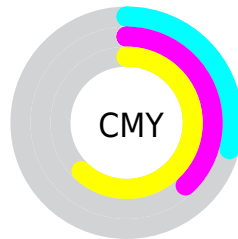
- Red (71%)
- Green (62%)
- Blue (38%)



- Red (51%)
- Yellow (71%)
- Blue (38%)



- Cyan (0%)
- Magenta (13%)
- Yellow (47%)
- Black (29%)



- Cyan (29%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2243, 34.7822, 16.0289 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 33.2243, 34.7822, 16.0289 by changing the saturation by 10% instead.

■ 33.2243, 34.7822,
16.0289

■ 33.2243, 34.7822,
16.0289

308.3064,
323.6059, 241.3637

■ 22.4584, 23.4951,
9.3900

■ 64.0779, 67.1482,
37.4159

■ 14.3126, 14.9595,
4.8962

■ 84.8963, 88.9960,
53.0010

■ 8.4215, 8.7910,
2.1288

■ 109.7962,
115.1328, 72.4054

■ 4.4199, 4.6051,
0.6328

■ 139.1430,
145.9430, 96.0474

■ 1.9423, 2.0175,
0.0000

173.3021,
181.8110, 124.3458

■ 0.6013, 0.6176,
0.0000

212.6388,

■ 0.0000, 0.0000,

223.1212, 157.7189

0.0000

257.5184,
270.2581, 196.5854

■ 33.2243, 34.7822,
16.0289

■ 33.2243, 34.7822,
16.0289

■ 31.6388, 32.7948,
11.8518

■ 35.0395, 36.9219,
21.2299

■ 30.2667, 30.9487,
8.6260

■ 37.0944, 39.2148,
27.5164

■ 29.0934, 29.2385,
6.2728


■ 39.4014, 41.6677,
34.9477


■ 28.1009, 27.6563,
4.6997

■ 41.9712, 44.2855,
43.5782


■ 27.2639, 26.1913,
3.7765

■ 44.8137, 47.0731,
53.4586

 27.0258, 25.7633,
3.5484

 47.9386, 50.0347,
64.6369

 51.3547, 53.1746,
77.1584

 55.0706, 56.4968,
91.0663

 58.4598, 59.7515,
103.0598

Harmonies

Analogous

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



38.4101, 34.7822, 18.4089



33.2243, 34.7822, 16.0289



28.4877, 34.7822, 18.1191

Triad

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



33.2243, 34.7822, 16.0289



25.1472, 34.7822, 53.3504



42.2840, 34.7822, 54.3829

Complementary

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



33.2243, 34.7822, 16.0289



19.8806, 19.2552, 46.3846

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.



38.0959, 34.7822, 68.4119



33.2243, 34.7822, 16.0289



28.2303, 34.7822, 67.7151

Square

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



33.2243, 34.7822, 16.0289



24.1263, 34.7822, 37.4025



32.8951, 34.7822, 73.8252



43.9633, 34.7822, 38.3452

Rectangle

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



33.2243, 34.7822, 16.0289



26.1404, 34.7822, 22.1789



32.8951, 34.7822, 73.8252



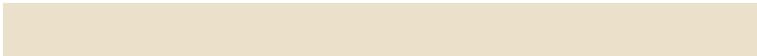
41.1029, 34.7822, 59.6286

Sweetspot

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



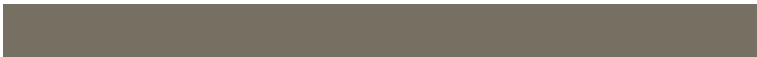
33.2251, 34.7838, 16.0296



71.7748, 75.8749, 66.5881



26.6343, 19.5479, 20.1656



15.3088, 16.1883, 13.7150



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2251, 34.7838, 16.0296



56.6713, 58.7436, 21.2427



33.6543, 41.6348, 17.3294



8.9903, 9.4931, 9.0110



18.6921, 17.8828, 2.4665



0.6346, 0.6555, 0.0931

Inverse Universe

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



19.8806, 19.2552, 46.3846



29.9806, 27.7192, 82.0648



19.5174, 15.3078, 45.6419



8.2308, 8.6079, 10.7340



6.6206, 4.0416, 30.5682



0.2590, 0.2286, 0.9787

Previews

White Background



This preview shows how the XYZ color 33.2243, 34.7822, 16.0289 looks on a white background.

Color Contrast Check

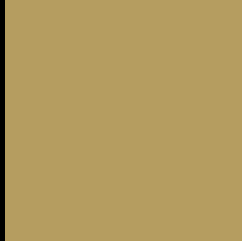
Large Text (above 18pt) WCAG AA × Fail

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 33.2243, 34.7822, 16.0289 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 33.2243, 34.7822, 16.0289

Background



This preview shows how black text looks on a background with the XYZ color 33.2243, 34.7822, 16.0289.



This preview shows how white text looks on a background with the XYZ color 33.2243, 34.7822,

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

33.2243, 34.7822, 16.0289

Protanopia

32.0114, 34.6580, 16.3117

Deuteranopia

35.3782, 34.6570, 16.1341



Tritanopia

37.6740, 34.6329, 38.4174

Trichromacy



Original Color

33.2243, 34.7822, 16.0289

Protanomaly

32.5160, 34.6639, 16.2863

Deuteranomaly

34.6995, 34.7931, 16.1961

Tritanomaly

35.7512, 34.5769, 28.4566

Monochromacy



Original Color

33.2243, 34.7822, 16.0289

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1560, 33.9702, 27.7838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2243, 34.7822, 16.0289 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(181, 157, 96)` looks like.

```
.text, #text, p{  
    color:rgb(181, 157, 96)  
}
```

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(181, 157, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 157, 96) }
```

Border

The CSS property to change the border of an element to XYZ 33.2243, 34.7822, 16.0289 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(181, 157, 96) }
```


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

```
.border{ border-color:rgb(181, 157, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 157, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 157, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 157, 96);  
box-shadow:4px 4px 4px 4px rgb(181, 157,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2243, 34.7822, 16.0289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 157, 96) }
```

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

```
.background{ background-color: rgb(181,  
157, 96) }
```

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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