

Converting Colors

XYZ(32.4598, 33.1038, 16.2341)

Have a look what the booklet for
XYZ(32.4598, 33.1038, 16.2341)
contains.

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Color

**XYZ(32.4889, 33.1621,
16.2438)**

Conversions

Conversions Part 1

Format	Color
Hex	B59862
RGB	181, 152, 98
RGB Percent	71%, 60%, 38%
CMY	0.2902, 0.4039, 0.6157
CMYK	0.00, 0.16, 0.46, 0.29
HSL	39°, 36%, 55%
HSV	39°, 46%, 71%
XYZ	32.4889, 33.1621, 16.2438
YIQ	154.5150, 34.6180, -10.6460

Conversions

Conversions Part 2

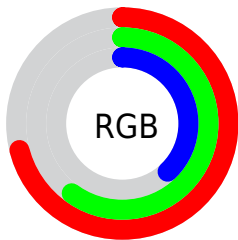
Format	Color
RYB	143, 181, 98
Decimal	11901026
CIELab	64.29, 3.51, 32.36
CIELCh	64, 32.551, 83.806
Yxy	33.1621, 0.3967, 0.4049
Android (android.graphics.Color)	4290091106 (0xFFB59862)
YUV	154.5150, -27.8619, 23.2273
Hunter-Lab	57.5865, -0.0712, 23.5863

Details

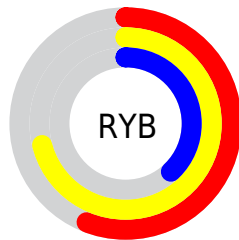
The XYZ color **32.4889, 33.1621, 16.2438** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.9665, 21.1107, 46.6857**, and the grayscale version is **31.0506, 32.6676, 35.5750**.

A 20% lighter version of the original color is **62.7560, 64.4897, 37.5739**, and **13.8336, 13.9733, 4.9856** is the 20% darker color. If you saturate the color by 10%, you get **30.7302, 30.8613, 11.9075**, and if you desaturate by 10%, it is **34.4972, 35.6528, 21.6174**.

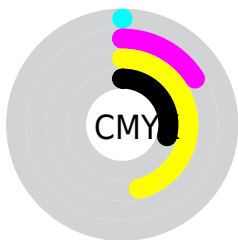
Distribution



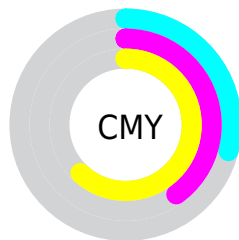
- Red (71%)
- Green (60%)
- Blue (38%)



- Red (56%)
- Yellow (71%)
- Blue (38%)



- Cyan (0%)
- Magenta (16%)
- Yellow (46%)
- Black (29%)





- Cyan (29%)
- Magenta (40%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4889, 33.1621, 16.2438 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 32.4889, 33.1621, 16.2438 by changing the saturation by 10% instead.


 32.4889, 33.1621,
16.2438


 32.4889, 33.1621,
16.2438


305.0462,
316.3795, 242.6707


 21.8926, 22.2507,
9.5406


 62.9368, 64.6285,
37.7936


 13.8941, 14.0412,
4.9939


 83.5190, 85.9523,
53.4773

 8.1283, 8.1493,
2.1850


 108.1606,
111.5156, 72.9916

 4.2296, 4.1906,
0.6657

 137.2269,
141.7029, 96.7550

 1.8329, 1.7808,
0.0000

171.0833,
176.8986, 125.1861

 0.5373, 0.4751,
0.0000

210.0950,

 0.0000, 0.0000,

217.4869, 158.7033

0.0000

254.6276,
263.8525, 197.7254

■ 32.4889, 33.1621,
16.2438

■ 32.4889, 33.1621,
16.2438

■ 30.7302, 30.8613,
11.9075

■ 34.4972, 35.6528,
21.6174

■ 29.2047, 28.7386,
8.5368

■ 36.7654, 38.3352,
28.0897

■ 27.8974, 26.7881,
6.0538

■ 39.3063, 41.2167,
35.7193

■ 26.7903, 25.0011,
4.3678

■ 42.1307, 44.3031,
44.5604

■ 25.8605, 23.3670,
3.3627

■ 45.2490, 47.5997,
54.6636

■ 25.5072, 22.7262,
3.0422

■ 48.6710, 51.1117,
66.0766

■ 52.4060, 54.8439,
78.8446

■ 56.4629, 58.8012,
93.0106

■ 59.8851, 62.6019,
103.5348

Harmonies

Analogous

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



37.0686, 33.1621, 19.2061



32.4889, 33.1621, 16.2438



28.0642, 33.1621, 17.4580

Triad

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



32.4889, 33.1621, 16.2438



24.0627, 33.1621, 47.3958



39.2556, 33.1621, 53.3341

Complementary

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



32.4889, 33.1621, 16.2438



20.9665, 21.1107, 46.6857

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.



35.2475, 33.1621, 64.7846



32.4889, 33.1621, 16.2438



26.5540, 33.1621, 60.8110

Square

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



32.4889, 33.1621, 16.2438



23.4788, 33.1621, 33.4289



30.5697, 33.1621, 67.8109



41.2139, 33.1621, 38.9263

Rectangle

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



32.4889, 33.1621, 16.2438



25.7553, 33.1621, 20.6688



30.5697, 33.1621, 67.8109



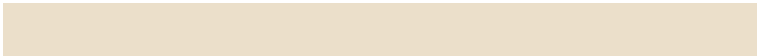
38.0855, 33.1621, 57.7857

Sweetspot

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



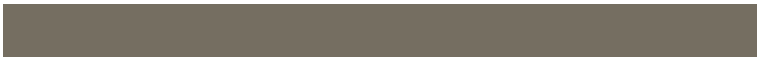
32.4897, 33.1637, 16.2445



71.1822, 74.6897, 66.3906



27.2579, 20.0930, 22.5378



15.1630, 15.8965, 13.6664



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.



32.4897, 33.1637, 16.2445



55.0188, 55.2470, 21.2827



34.9943, 42.3149, 17.8788



8.9422, 9.3969, 8.9950



17.6510, 15.8006, 2.1195



0.6075, 0.6014, 0.0841

Inverse Universe

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



20.9665, 21.1107, 46.6857



31.8402, 31.0323, 82.6063



19.1950, 15.4158, 45.6798



8.2767, 8.6996, 10.7493



7.0435, 4.8873, 30.7091



0.2776, 0.2657, 0.9849

Previews

White Background



This preview shows how the XYZ color 32.4889, 33.1621, 16.2438 looks on a white background.

Color Contrast Check

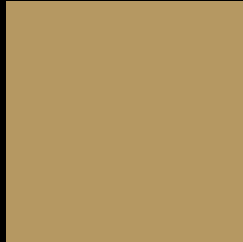
Large Text (above 18pt) WCAG AA × Fail

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 32.4889, 33.1621, 16.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

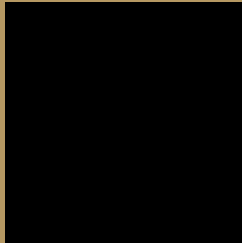
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4889, 33.1621, 16.2438

Background



This preview shows how black text looks on a background with the XYZ color 32.4889, 33.1621, 16.2438.



This preview shows how white text looks on a background with the XYZ color 32.4889, 33.1621,

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

32.4889, 33.1621, 16.2438

Protanopia

30.7663, 33.2431, 16.8516

Deuteranopia

33.7386, 33.0871, 16.4126



Tritanopia

36.6197, 33.2159, 35.9337

Trichromacy



Original Color

32.4889, 33.1621, 16.2438

Protanomaly

31.4290, 33.3422, 16.5836

Deuteranomaly

33.1661, 33.0278, 16.4313

Tritanomaly

34.9707, 33.2434, 27.4951

Monochromacy



Original Color

32.4889, 33.1621, 16.2438

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1685, 32.7249, 27.2280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4889, 33.1621, 16.2438 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, 152, 98)` looks like.

```
.text, #text, p{  
    color:rgb(181, 152, 98)  
}
```

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, 152, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 152, 98) }
```

Border

The CSS property to change the border of an element to XYZ 32.4889, 33.1621, 16.2438 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, 152, 98) }
```


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

```
.border{ border-color:rgb(181, 152, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 152, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 152, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 152, 98);  
box-shadow:4px 4px 4px 4px rgb(181, 152,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4889, 33.1621, 16.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 152, 98) }
```

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

```
.background{ background-color: rgb(181,  
152, 98) }
```

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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