

Converting Colors

XYZ(32.1643, 32.7647, 15.8696)

Have a look what the booklet for
XYZ(32.1643, 32.7647, 15.8696)
contains.

XYZ(32.2803, 32.8200, 15.9428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2803, 32.8200,
15.9428)**

Conversions

Conversions Part 1

Format	Color
Hex	B59761
RGB	181, 151, 97
RGB Percent	71%, 59%, 38%
CMY	0.2902, 0.4078, 0.6196
CMYK	0.00, 0.17, 0.46, 0.29
HSL	39°, 36%, 55%
HSV	39°, 46%, 71%
XYZ	32.2803, 32.8200, 15.9428
YIQ	153.8140, 35.2140, -10.4340

Conversions

Conversions Part 2

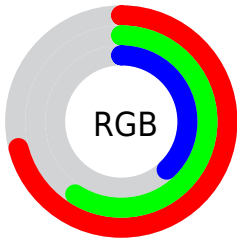
Format	Color
RYB	144, 181, 97
Decimal	11900769
CIELab	64.01, 3.96, 32.54
CIELCh	64, 32.782, 83.068
Yxy	32.8200, 0.3983, 0.4050
Android (android.graphics.Color)	4290090849 (0xFFB59761)
YUV	153.8140, -28.0093, 23.8421
Hunter-Lab	57.2887, 0.3235, 23.6024

Details

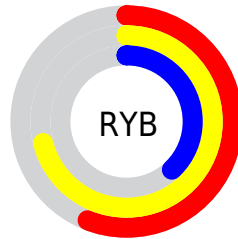
The XYZ color **32.2803, 32.8200, 15.9428** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.8594, 21.0556, 46.6806**, and the grayscale version is **30.7424, 32.3433, 35.2219**.

A 20% lighter version of the original color is **62.4365, 63.9779, 37.0752**, and **13.7157, 13.7717, 4.8410** is the 20% darker color. If you saturate the color by 10%, you get **30.5192, 30.4977, 11.6565**, and if you desaturate by 10%, it is **34.2927, 35.3365, 21.2635**.

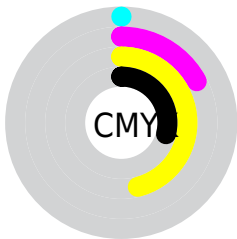
Distribution



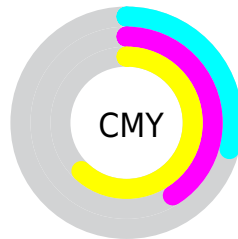
- Red (71%)
- Green (59%)
- Blue (38%)



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



- Cyan (0%)
- Magenta (17%)
- Yellow (46%)
- Black (29%)





- Cyan (29%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2803, 32.8200, 15.9428 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 32.2803, 32.8200, 15.9428 by changing the saturation by 10% instead.


 32.2803, 32.8200,
15.9428

 32.2803, 32.8200,
15.9428


304.1168,
314.8379, 240.8381

 21.7323, 21.9886,
9.3298


 62.6125, 64.0944,
37.2643


 13.7758, 13.8485,
4.8572


 83.1274, 85.3062,
52.8098

 8.0456, 8.0154,
2.1064


 107.6952,
110.7469, 72.1699

 4.1762, 4.1048,
0.6196

 136.6814,
140.8009, 95.7632

 1.8023, 1.7324,
0.0000

170.4513,
175.8526, 124.0081

 0.5190, 0.4445,
0.0000

209.3703,

 0.0000, 0.0000,

216.2864, 157.3232

0.0000

253.8036,
262.4867, 196.1270

■ 32.2803, 32.8200,
15.9428

■ 32.2803, 32.8200,
15.9428

■ 30.5192, 30.4977,
11.6565

■ 34.2927, 35.3365,
21.2635

■ 28.9926, 28.3579,
8.3325

■ 36.5668, 38.0491,
27.6803

■ 27.6857, 26.3942,
5.8923

■ 39.1153, 40.9656,
35.2523

■ 26.5800, 24.5978,
4.2443

■ 41.9493, 44.0917,
44.0336

■ 25.6514, 22.9575,
3.2660

■ 45.0793, 47.4329,
54.0752

■ 25.3437, 22.3991,
2.9877

■ 48.5151, 50.9944,
65.4249

■ 52.2660, 54.7813,
78.1281

■ 56.3411, 58.7984,
92.2279

■ 59.9494, 62.7305,
103.5563

Harmonies

Analogous

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



36.8503, 32.8200, 18.9949



32.2803, 32.8200, 15.9428



27.8372, 32.8200, 17.0480

Triad

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



32.2803, 32.8200, 15.9428



23.7053, 32.8200, 46.6756



38.8588, 32.8200, 53.3320

Complementary

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



32.2803, 32.8200, 15.9428



20.8594, 21.0556, 46.6806

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.



34.8112, 32.8200, 64.6712



32.2803, 32.8200, 15.9428



26.1491, 32.8200, 60.2120

Square

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



32.2803, 32.8200, 15.9428



23.1712, 32.8200, 32.7483



30.1332, 32.8200, 67.4589



40.8840, 32.8200, 38.8989

Rectangle

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



32.2803, 32.8200, 15.9428



25.5059, 32.8200, 20.1686



30.1332, 32.8200, 67.4589



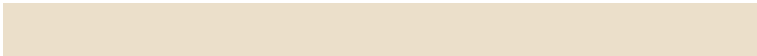
37.6715, 32.8200, 57.7637

Sweetspot

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



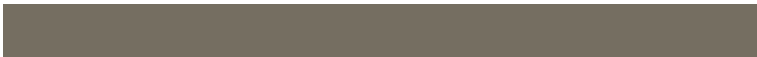
32.2811, 32.8215, 15.9435



71.1142, 74.5537, 66.3679



27.2140, 19.9267, 22.7654



15.1462, 15.8631, 13.6608



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.



32.2811, 32.8215, 15.9435



54.5048, 54.4106, 20.5206



35.2159, 42.4345, 17.6443



8.9367, 9.3859, 8.9932



17.5388, 15.5761, 2.0821



0.6045, 0.5955, 0.0831

Inverse Universe

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



20.8594, 21.0556, 46.6806



31.4852, 30.7284, 82.5663



18.8242, 15.0867, 45.6358



8.2820, 8.7103, 10.7511



7.0987, 4.9977, 30.7275



0.2797, 0.2700, 0.9856

Previews

White Background



This preview shows how the XYZ color 32.2803, 32.8200, 15.9428 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 32.2803, 32.8200, 15.9428 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 32.2803, 32.8200, 15.9428

Background



This preview shows how black text looks on a background with the XYZ color 32.2803, 32.8200, 15.9428.



This preview shows how white text looks on a background with the XYZ color 32.2803, 32.8200,

15.9428.

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

32.2803, 32.8200, 15.9428

Protanopia

30.3357, 32.7786, 16.5324

Deuteranopia

33.2880, 32.6264, 16.0983



Tritanopia

36.3832, 32.8779, 35.4388

Trichromacy



Original Color

32.2803, 32.8200, 15.9428

Protanomaly

30.9938, 32.8773, 16.2677

Deuteranomaly

32.9596, 32.6910, 16.1281

Tritanomaly

34.7444, 32.9030, 27.0739

Monochromacy



Original Color

32.2803, 32.8200, 15.9428

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9347, 32.3684, 26.8076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2803, 32.8200, 15.9428 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, 151, 97)` looks like.

```
.text, #text, p{  
    color:rgb(181, 151, 97)  
}
```

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, 151, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 151, 97) }
```

Border

The CSS property to change the border of an element to XYZ 32.2803, 32.8200, 15.9428 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, 151, 97) }
```


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

```
.border{ border-color:rgb(181, 151, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 151, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 151, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 151, 97);  
box-shadow:4px 4px 4px 4px rgb(181, 151,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2803, 32.8200, 15.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 151, 97) }
```

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

```
.background{ background-color: rgb(181,  
151, 97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor