

Converting Colors

XYZ(30.8021, 32.1773, 21.4175)

Have a look what the booklet for
XYZ(30.8021, 32.1773, 21.4175)
contains.

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Color

**XYZ(30.8013, 32.1758,
21.4168)**

Conversions

Conversions Part 1

Format	Color
Hex	A99875
RGB	169, 152, 117
RGB Percent	66%, 60%, 46%
CMY	0.3373, 0.4039, 0.5412
CMYK	0.00, 0.10, 0.31, 0.34
HSL	40°, 23%, 56%
HSV	40°, 31%, 66%
XYZ	30.8013, 32.1758, 21.4168
YIQ	153.0930, 21.3670, -7.2810

Conversions

Conversions Part 2

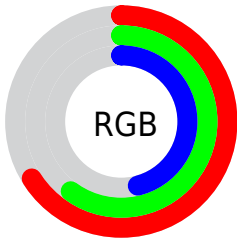
Format	Color
RYB	142, 169, 117
Decimal	11114613
CIELab	63.49, 0.82, 20.74
CIElCh	63, 20.751, 87.745
Yxy	32.1758, 0.3650, 0.3813
Android (android.graphics.Color)	4289304693 (0xFFA99875)
YUV	153.0930, -17.7938, 13.9504
Hunter-Lab	56.7237, -2.3400, 17.3209

Details

The XYZ color **30.8013, 32.1758, 21.4168** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.0225, 23.6961, 40.8966**, and the grayscale version is **30.3879, 31.9705, 34.8158**.

A 20% lighter version of the original color is **60.2841, 63.0147, 46.5219**, and **12.8995, 13.4377, 7.3827** is the 20% darker color. If you saturate the color by 10%, you get **29.0205, 30.0633, 16.3556**, and if you desaturate by 10%, it is **32.8049, 34.4465, 27.4381**.

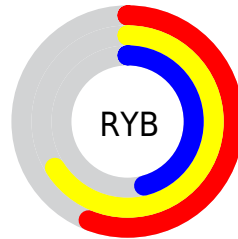
Distribution



Red (66%)

Green (60%)

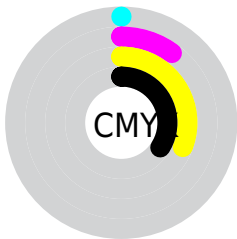
Blue (46%)



Red (56%)

Yellow (66%)

Blue (46%)

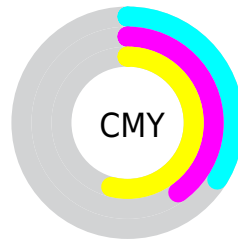


Cyan (0%)

Magenta (10%)

Yellow (31%)

Black (34%)



Cyan (34%)

Magenta (40%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8013, 32.1758, 21.4168 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 30.8013, 32.1758, 21.4168 by changing the saturation by 10% instead.

■ 30.8013, 32.1758,
21.4168

■ 30.8013, 32.1758,
21.4168

297.4651,
311.9193, 272.3388

■ 20.5987, 21.4958,
13.2348

■ 60.3051, 63.0866,
46.6699

■ 12.9417, 13.4869,
7.4578

■ 80.3369, 84.0862,
64.5782

■ 7.4652, 7.7647,
3.6673

■ 104.3759,
109.2944, 86.5656

■ 3.8036, 3.9447,
1.4446

132.7874,
139.0957, 113.0506

■ 1.5916, 1.6427,
0.1762

165.9367,
173.8745, 144.4520

■ 0.3869, 0.3861,
0.0000

204.1892,

■ 0.0000, 0.0000,

214.0150, 181.1881

0.0000

247.9102,
259.9019, 223.6775

■ 30.8013, 32.1758,
21.4168

■ 30.8013, 32.1758,
21.4168

■ 29.0205, 30.0633,
16.3556

■ 32.8049, 34.4465,
27.4381

■ 27.4498, 28.0996,
12.2015

■ 35.0384, 36.8758,
34.4647

■ 26.0790, 26.2809,
8.8992

■ 37.5115, 39.4694,
42.5415

■ 24.8956, 24.6012,
6.3867

■ 40.2325, 42.2316,
51.7098

■ 23.8858, 23.0541,
4.5935

■ 43.2093, 45.1664,
62.0088

■ 23.0331, 21.6319,
3.4361

■ 46.4495, 48.2776,
73.4759

■ 22.3527, 20.4160,
2.7626

■ 49.9604, 51.5690,
86.1466

■ 53.7488, 55.0440,
100.0548

■ 55.4668, 57.7643,
102.8339

Harmonies

Analogous

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



33.6446, 32.1758, 23.2255



30.8013, 32.1758, 21.4168



28.0675, 32.1758, 22.7527

Triad

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



30.8013, 32.1758, 21.4168



25.9232, 32.1758, 42.9771



35.5262, 32.1758, 44.2320

Complementary

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



30.8013, 32.1758, 21.4168



23.0225, 23.6961, 40.8966

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.



33.2426, 32.1758, 51.0901



30.8013, 32.1758, 21.4168



27.7114, 32.1758, 50.2891

Square

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



30.8013, 32.1758, 21.4168



25.3590, 32.1758, 34.4115



30.3640, 32.1758, 53.4630



36.4774, 32.1758, 35.6639

Rectangle

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



30.8013, 32.1758, 21.4168



26.6509, 32.1758, 25.3854



30.3640, 32.1758, 53.4630



34.8821, 32.1758, 46.8616

Sweetspot

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



30.8021, 32.1773, 21.4175



63.4343, 66.7689, 63.9205



27.0501, 22.8885, 25.6690



13.6961, 14.4146, 13.5141



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.8021, 32.1773, 21.4175



52.9238, 54.9884, 31.9296



31.9630, 37.1684, 22.3197



7.9371, 8.3543, 7.9835



16.7096, 15.3164, 2.0757



0.4502, 0.4599, 0.0650

Inverse Universe

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



23.0225, 23.6961, 40.8966



36.7308, 37.3422, 72.4969



22.0782, 19.9979, 40.2326



7.3246, 7.6861, 9.5159



6.4084, 4.2769, 28.4633



0.2022, 0.1967, 0.7080

Previews

White Background



This preview shows how the XYZ color 30.8013, 32.1758, 21.4168 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 30.8013, 32.1758, 21.4168 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

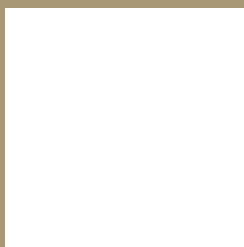
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8013, 32.1758, 21.4168

Background



This preview shows how black text looks on a background with the XYZ color 30.8013, 32.1758, 21.4168.



This preview shows how white text looks on a background with the XYZ color 30.8013, 32.1758,

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

30.8013, 32.1758, 21.4168

Protanopia

30.1355, 32.3117, 21.7880

Deuteranopia

32.9160, 32.3116, 21.6414



Tritanopia

34.0608, 32.3347, 36.7938

Trichromacy



Original Color

30.8013, 32.1758, 21.4168

Protanomaly

30.3871, 32.1975, 21.7527

Deuteranomaly

32.1489, 32.1500, 21.6507

Tritanomaly

32.7186, 32.2487, 30.4868

Monochromacy



Original Color

30.8013, 32.1758, 21.4168

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4229, 32.0468, 29.3931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8013, 32.1758, 21.4168 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(169, 152, 117)` looks like.

```
.text, #text, p{  
    color:rgb(169, 152, 117)  
}
```

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(169, 152, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 152, 117) }
```

Border

The CSS property to change the border of an element to XYZ 30.8013, 32.1758, 21.4168 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(169, 152, 117) }
```


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

```
.border{ border-color:rgb(169, 152, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 152, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 152, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 152, 117);  
box-shadow:4px 4px 4px 4px rgb(169, 152,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8013, 32.1758, 21.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 152, 117) }
```

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

```
.background{ background-color: rgb(169,  
152, 117) }
```

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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