

Converting Colors

XYZ(31.3022, 32.6922, 15.5928)

Have a look what the booklet for
XYZ(31.3022, 32.6922, 15.5928)
contains.

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Color

**XYZ(31.3613, 32.8388,
15.5121)**

Conversions

Conversions Part 1

Format	Color
Hex	B0995F
RGB	176, 153, 95
RGB Percent	69%, 60%, 37%
CMY	0.3098, 0.4000, 0.6274
CMYK	0.00, 0.13, 0.46, 0.31
HSL	43°, 34%, 53%
HSV	43°, 46%, 69%
XYZ	31.3613, 32.8388, 15.5121
YIQ	153.2650, 32.3260, -13.1620

Conversions

Conversions Part 2

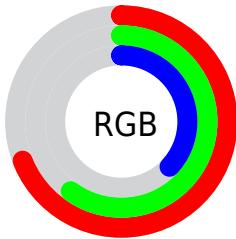
Format	Color
RYB	127, 176, 95
Decimal	11573599
CIELab	64.03, 0.55, 33.53
CIELCh	64, 33.532, 89.063
Yxy	32.8388, 0.3934, 0.4120
Android (android.graphics.Color)	4289763679 (0xFFB0995F)
YUV	153.2650, -28.7246, 19.9386
Hunter-Lab	57.3051, -2.5966, 24.0642

Details

The XYZ color **31.3613, 32.8388, 15.5121** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.0341, 18.5237, 43.6465**, and the grayscale version is **30.5059, 32.0946, 34.9510**.

A 20% lighter version of the original color is **61.1054, 64.0246, 36.3315**, and **13.2905, 13.8456, 4.6613** is the 20% darker color. If you saturate the color by 10%, you get **29.8494, 30.9539, 11.4973**, and if you desaturate by 10%, it is **33.0898, 34.8675, 20.4916**.

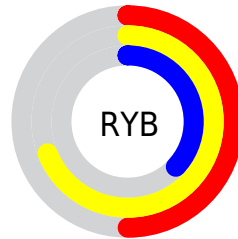
Distribution



Red (69%)

Green (60%)

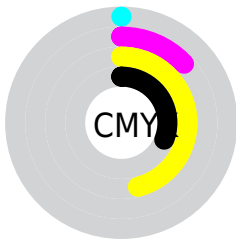
Blue (37%)



Red (50%)

Yellow (69%)

Blue (37%)

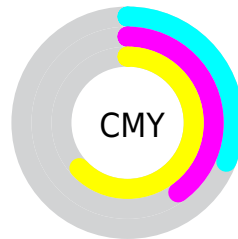


Cyan (0%)

Magenta (13%)

Yellow (46%)

Black (31%)



Cyan (31%)


Magenta (40%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3613, 32.8388, 15.5121 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 31.3613, 32.8388, 15.5121 by changing the saturation by 10% instead.


 31.3613, 32.8388,
15.5121


 31.3613, 32.8388,
15.5121


299.9966,
314.9227, 238.1918


 21.0273, 22.0030,
9.0290


 61.1804, 64.1238,
36.5040

 13.2565, 13.8591,
4.6630


 81.3963, 85.3417,
51.8499

 7.6836, 8.0227,
1.9957


 105.6368,
110.7892, 70.9871

 3.9433, 4.1095,
0.5526

 134.2673,
140.8505, 94.3341

 1.6701, 1.7350,
0.0000

167.6532,
175.9101, 122.3096

 0.4374, 0.4462,
0.0000

206.1598,

 0.0000, 0.0000,

216.3525, 155.3320

0.0000

250.1525,
262.5619, 193.8199

■ 31.3613, 32.8388,
15.5121

■ 31.3613, 32.8388,
15.5121

■ 29.8494, 30.9539,
11.4973

■ 33.0898, 34.8675,
20.4916

■ 28.5390, 29.2026,
8.3801

■ 35.0441, 37.0409,
26.4928

■ 27.4166, 27.5799,
6.0879

■ 37.2357, 39.3652,
33.5705

■ 26.4657, 26.0786,
4.5361

■ 39.6745, 41.8451,
41.7752

■ 25.6648, 24.6894,
3.6139

■ 42.3698, 44.4850,
51.1540

■ 25.3696, 24.1604,
3.3263

■ 45.3305, 47.2889,
61.7515

■ 48.5649, 50.2609,
73.6098

■ 52.0810, 53.4047,
86.7691

■ 55.8863, 56.7239,
101.2677

Harmonies

Analogous

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



36.1292, 32.8388, 17.7337



31.3613, 32.8388, 15.5121



26.9963, 32.8388, 17.4680

Triad

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



31.3613, 32.8388, 15.5121



23.9133, 32.8388, 49.9725



39.6884, 32.8388, 50.9006

Complementary

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



31.3613, 32.8388, 15.5121



19.0341, 18.5237, 43.6465

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.



35.8459, 32.8388, 63.7233



31.3613, 32.8388, 15.5121



26.7630, 32.8388, 63.0991

Square

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



31.3613, 32.8388, 15.5121



22.9674, 32.8388, 35.3315



31.0638, 32.8388, 68.6656



41.2262, 32.8388, 36.1836

Rectangle

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



31.3613, 32.8388, 15.5121



24.8289, 32.8388, 21.2512



31.0638, 32.8388, 68.6656



38.6055, 32.8388, 55.6997

Sweetspot

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



31.3621, 32.8403, 15.5128



68.2860, 72.1738, 63.3778



25.3447, 18.7540, 19.8318



14.6053, 15.4411, 13.0950



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3621, 32.8403, 15.5128



54.1522, 56.1598, 20.8902



32.0483, 39.3299, 16.7292



8.9891, 9.4908, 9.0107



18.6658, 17.8302, 2.4578



0.6339, 0.6542, 0.0929

Inverse Universe

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



19.0341, 18.5237, 43.6465



29.0865, 27.0821, 78.1896



18.5098, 14.7119, 42.9383



8.2319, 8.6101, 10.7344



6.6296, 4.0596, 30.5711



0.2595, 0.2295, 0.9789

Previews

White Background



This preview shows how the XYZ color 31.3613, 32.8388, 15.5121 looks on a white background.

Color Contrast Check

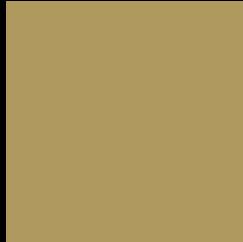
Large Text (above 18pt) WCAG AA × Fail

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 31.3613, 32.8388, 15.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

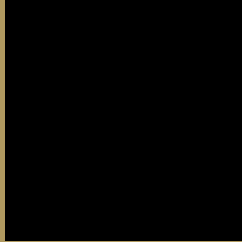
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3613, 32.8388, 15.5121

Background



This preview shows how black text looks on a background with the XYZ color 31.3613, 32.8388, 15.5121.



This preview shows how white text looks on a background with the XYZ color 31.3613, 32.8388,

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

31.3613, 32.8388, 15.5121

Protanopia

30.1949, 32.7222, 15.7909

Deuteranopia

33.4403, 32.7157, 15.6186



Tritanopia

35.6561, 32.9372, 36.3765

Trichromacy



Original Color

31.3613, 32.8388, 15.5121

Protanomaly

30.6802, 32.7264, 15.7661

Deuteranomaly

32.7848, 32.8476, 15.6786

Tritanomaly

33.8729, 32.9194, 27.1230

Monochromacy



Original Color

31.3613, 32.8388, 15.5121

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2540, 32.0255, 26.4168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3613, 32.8388, 15.5121 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(176, 153, 95)` looks like.

```
.text, #text, p{  
    color:rgb(176, 153, 95)  
}
```

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(176, 153, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 153, 95) }
```

Border

The CSS property to change the border of an element to XYZ 31.3613, 32.8388, 15.5121 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(176, 153, 95) }
```


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

```
.border{ border-color:rgb(176, 153, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 153, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 153, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 153, 95);  
box-shadow:4px 4px 4px 4px rgb(176, 153,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3613, 32.8388, 15.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 153, 95) }
```

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

```
.background{ background-color: rgb(176,  
153, 95) }
```

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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