

Converting Colors

XYZ(31.7692, 32.9484, 21.4827)

Have a look what the booklet for
XYZ(31.7692, 32.9484, 21.4827)
contains.

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Color

**XYZ(31.8357, 32.9511,
21.5119)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9975
RGB	173, 153, 117
RGB Percent	68%, 60%, 46%
CMY	0.3216, 0.4000, 0.5412
CMYK	0.00, 0.12, 0.32, 0.32
HSL	39°, 25%, 57%
HSV	39°, 32%, 68%
XYZ	31.8357, 32.9511, 21.5119
YIQ	154.8760, 23.4760, -6.9560

Conversions

Conversions Part 2

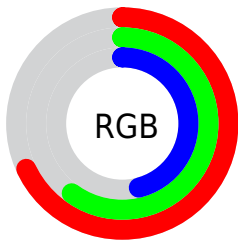
Format	Color
RYB	148, 173, 117
Decimal	11377013
CIELab	64.12, 1.89, 21.66
CIElCh	64, 21.737, 85.015
Yxy	32.9511, 0.3689, 0.3818
Android (android.graphics.Color)	4289567093 (0xFFAD9975)
YUV	154.8760, -18.6729, 15.8947
Hunter-Lab	57.4030, -1.4593, 17.9631

Details

The XYZ color **31.8357, 32.9511, 21.5119** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.8243, 24.6895, 43.0450**, and the grayscale version is **31.1743, 32.7978, 35.7168**.

A 20% lighter version of the original color is **61.7874, 64.1482, 46.6614**, and **13.5405, 13.9132, 7.4407** is the 20% darker color. If you saturate the color by 10%, you get **29.9263, 30.6123, 16.3124**, and if you desaturate by 10%, it is **33.9872, 35.4728, 27.7203**.

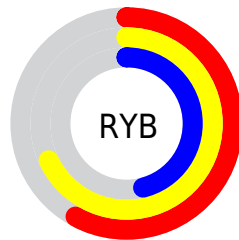
Distribution



Red (68%)

Green (60%)

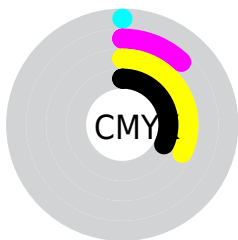
Blue (46%)



Red (58%)

Yellow (68%)

Blue (46%)

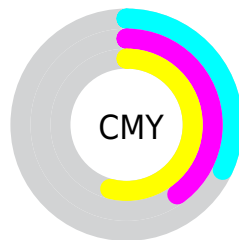


Cyan (0%)

Magenta (12%)

Yellow (32%)

Black (32%)



Cyan (32%)

Magenta (40%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8357, 32.9511, 21.5119 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 31.8357, 32.9511, 21.5119 by changing the saturation by 10% instead.

■ 31.8357, 32.9511,
21.5119

■ 31.8357, 32.9511,
21.5119

302.1287,
315.4293, 272.8564

■ 21.3910, 22.0890,
13.3038

■ 61.9204, 64.2992,
46.8297

■ 13.5242, 13.9223,
7.5049

■ 82.2910, 85.5539,
64.7766

■ 7.8700, 8.0666,
3.6966

■ 106.7010,
111.0417, 86.8067

■ 4.0630, 4.1376,
1.4604

135.5157,
141.1468, 113.3388

■ 1.7378, 1.7508,
0.1882

169.1005,
176.2538, 144.7912

■ 0.4798, 0.4563,
0.0000

207.8207,

■ 0.0000, 0.0000,

216.7469, 181.5826

0.0000

252.0416,
263.0106, 224.1315

■ 31.8357, 32.9511,
21.5119

■ 31.8357, 32.9511,
21.5119

■ 29.9263, 30.6123,
16.3124

■ 33.9872, 35.4728,
27.7203

■ 28.2453, 28.4463,
12.0650

■ 36.3885, 38.1782,
34.9861

■ 26.7812, 26.4483,
8.7099


■ 39.0502, 41.0740,
43.3575


■ 25.5208, 24.6115,
6.1803


■ 41.9814, 44.1650,
52.8788


■ 24.4484, 22.9287,
4.3992


■ 45.1908, 47.4557,
63.5918


 23.5461, 21.3910,
3.2755

 48.6865, 50.9507,
75.5364

 22.9428, 20.3027,
2.7096

 52.4765, 54.6540,
88.7505

 56.5035, 58.5441,
102.9298

 57.9861, 61.5092,
103.4240

Harmonies

Analogous

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



34.8337, 32.9511, 23.7136



31.8357, 32.9511, 21.5119



28.8842, 32.9511, 22.6144

Triad

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



31.8357, 32.9511, 21.5119



26.2597, 32.9511, 43.5274



36.4186, 32.9511, 46.4917

Complementary

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



31.8357, 32.9511, 21.5119



23.8243, 24.6895, 43.0450

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.



33.8870, 32.9511, 53.5192



31.8357, 32.9511, 21.5119



28.0491, 32.9511, 51.6208

Square

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



31.8357, 32.9511, 21.5119



25.7891, 32.9511, 34.4265



30.8080, 32.9511, 55.5346



37.5878, 32.9511, 37.3700

Rectangle

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



31.8357, 32.9511, 21.5119



27.3196, 32.9511, 25.1875



30.8080, 32.9511, 55.5346



35.6909, 32.9511, 49.2326

Sweetspot

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



31.8365, 32.9526, 21.5126



66.1758, 69.4841, 65.7762



28.1488, 23.4287, 26.9069



14.2458, 14.9511, 13.8733



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.8365, 32.9526, 21.5126



54.4749, 55.9207, 31.5459



33.7828, 39.2282, 22.6213



8.4184, 8.8417, 8.4763



16.9103, 15.0262, 2.0091



0.5196, 0.5163, 0.0723

Inverse Universe

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



23.8243, 24.6895, 43.0450



37.8336, 38.7666, 76.2944



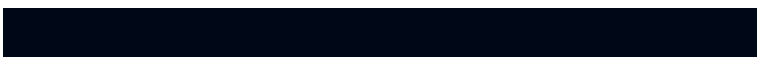
22.2842, 20.0601, 42.2326



7.8042, 8.2078, 10.1256



6.8476, 4.8290, 29.6157



0.2431, 0.2396, 0.8414

Previews

White Background



This preview shows how the XYZ color 31.8357, 32.9511, 21.5119 looks on a white background.

Color Contrast Check

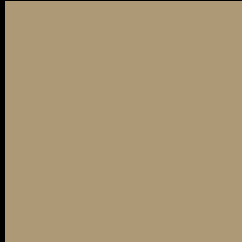
Large Text (above 18pt) WCAG AA × Fail

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 31.8357, 32.9511, 21.5119 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

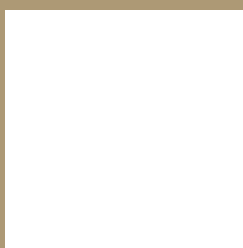
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8357, 32.9511, 21.5119

Background



This preview shows how black text looks on a background with the XYZ color 31.8357, 32.9511, 21.5119.



This preview shows how white text looks on a background with the XYZ color 31.8357, 32.9511,

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

31.8357, 32.9511, 21.5119

Protanopia

30.7172, 32.8577, 21.8627

Deuteranopia

33.5459, 32.8702, 21.7161



Tritanopia

35.0518, 32.8356, 37.2914

Trichromacy



Original Color

31.8357, 32.9511, 21.5119

Protanomaly

31.1878, 32.8542, 21.8373

Deuteranomaly

32.7668, 32.7044, 21.7251

Tritanomaly

33.6860, 32.7386, 30.9293

Monochromacy



Original Color

31.8357, 32.9511, 21.5119

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2636, 32.7157, 29.8663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8357, 32.9511, 21.5119 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(173, 153, 117)` looks like.

```
.text, #text, p{  
    color:rgb(173, 153, 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(173, 153, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 153, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.8357, 32.9511, 21.5119 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(173, 153, 117) }
```


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

```
.border{ border-color:rgb(173, 153, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 153, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 153, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 153, 117);  
box-shadow:4px 4px 4px 4px rgb(173, 153,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8357, 32.9511, 21.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 153, 117) }
```

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

```
.background{ background-color: rgb(173,  
153, 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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