

Converting Colors

XYZ(31.8237, 32.5470, 32.8348)

Have a look what the booklet for
XYZ(31.8237, 32.5470, 32.8348)
contains.

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Color

**XYZ(31.7573, 32.4129,
33.0163)**

Conversions

Conversions Part 1

Format	Color
Hex	A39895
RGB	163, 152, 149
RGB Percent	64%, 60%, 58%
CMY	0.3608, 0.4039, 0.4157
CMYK	0.00, 0.07, 0.09, 0.36
HSL	13°, 7%, 61%
HSV	13°, 9%, 64%
XYZ	31.7573, 32.4129, 33.0163
YIQ	154.9470, 7.5190, 1.3990

Conversions

Conversions Part 2

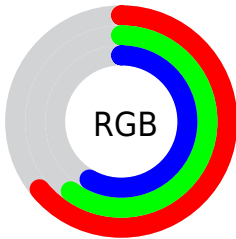
Format	Color
R_{YB}	163, 153, 149
Decimal	10721429
CIE _{Lab}	63.68, 3.49, 3.02
CIE _{LCh}	64, 4.618, 40.828
Yxy	32.4129, 0.3268, 0.3335
Android (android.graphics.Color)	4288911509 (0xFFA39895)
YUV	154.9470, -2.9319, 7.0625
Hunter-Lab	56.9323, -0.0629, 5.4691

Details

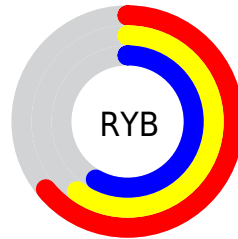
The XYZ color **31.7573, 32.4129, 33.0163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5760, 34.1750, 39.5829**, and the grayscale version is **31.1432, 32.7651, 35.6812**.

A 20% lighter version of the original color is **61.7642, 63.3598, 65.4743**, and **13.4138, 13.5687, 13.4673** is the 20% darker color. If you saturate the color by 10%, you get **28.5790, 27.9950, 25.9795**, and if you desaturate by 10%, it is **35.3439, 37.3552, 41.0887**.

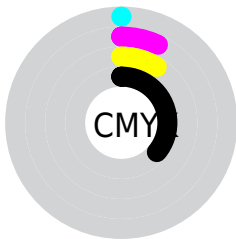
Distribution



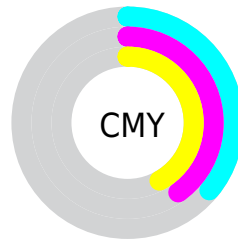
- Red (64%)
- Green (60%)
- Blue (58%)



- Red (64%)
- Yellow (60%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (9%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7573, 32.4129, 33.0163 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 31.7573, 32.4129, 33.0163 by changing the saturation by 10% instead.

■ 31.7573, 32.4129,
33.0163

■ 31.7573, 32.4129,
33.0163

301.7772,
312.9959, 330.3574

■ 21.3308, 21.6771,
21.8677

■ 61.7982, 63.4578,
65.5173

■ 13.4799, 13.6198,
13.5623

■ 82.1433, 84.5357,
87.7068

■ 7.8391, 7.8567,
7.6816

106.5254,
109.8297, 114.4136

■ 4.0431, 4.0034,
3.8071

135.3097,
139.7243, 146.0564

■ 1.7265, 1.6755,
1.5201

168.8617,
174.6038, 183.0536

■ 0.4728, 0.4077,
0.2328

207.5467,

■ 0.0000, 0.0000,

214.8527, 225.8238

0.0000

251.7301,
260.8552, 274.7856

■ 31.7573, 32.4129,
33.0163

■ 31.7573, 32.4129,
33.0163

■ 28.5790, 27.9950,
25.9795

■ 35.3439, 37.3552,
41.0887

■ 25.7918, 24.0801,
19.9341

■ 39.3500, 42.8340,
50.2341

■ 23.3810, 20.6515,
14.8360

■ 43.7897, 48.8665,
60.4907

■ 21.3300, 17.6899,
10.6369

■ 48.6756, 55.4676,
71.8941

■ 19.6211, 15.1748,
7.2842

■ 54.0198, 62.6517,
84.4786

■ 18.2347, 13.0841,
4.7196

■ 59.8339, 70.4329,
98.2766

■ 17.1495, 11.3937,
2.8777

■ 64.7969, 78.2915,
106.3044

■ 16.3410, 10.0771,
1.6822

■ 68.7345, 86.1667,
107.6169

■ 15.7714, 9.1005,
0.9914

■ 68.9144, 86.5266,
107.6769

Harmonies

Analogous

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



32.0441, 32.4129, 34.6278



31.7573, 32.4129, 33.0163



31.2174, 32.4129, 32.0365

Triad

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



31.7573, 32.4129, 33.0163



29.6487, 32.4129, 34.1363



31.0415, 32.4129, 38.9040

Complementary

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



31.7573, 32.4129, 33.0163



31.5760, 34.1750, 39.5829

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.



30.4012, 32.4129, 38.7612



31.7573, 32.4129, 33.0163



29.6031, 32.4129, 35.9649

Square

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



31.7573, 32.4129, 33.0163



30.0022, 32.4129, 32.6673



29.8768, 32.4129, 37.6702



31.6270, 32.4129, 38.0539

Rectangle

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



31.7573, 32.4129, 33.0163



30.7895, 32.4129, 31.8521



29.8768, 32.4129, 37.6702



30.8255, 32.4129, 38.9713

Sweetspot

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



31.7582, 32.4143, 33.0170



60.3375, 62.8296, 66.8952



32.2148, 31.8270, 37.7952



13.4381, 13.9549, 14.7689



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.7582, 32.4143, 33.0170



55.9186, 56.7253, 56.9954



32.8933, 34.6844, 33.3953



7.1912, 7.3209, 7.4141



12.2334, 7.0408, 0.7142



0.2882, 0.2103, 0.0254

Inverse Universe

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



31.5760, 34.1750, 39.5829



55.5357, 60.4247, 70.7922



30.4297, 31.8824, 39.2008



7.1466, 7.7522, 9.0227



11.1748, 14.1291, 29.0680



0.2653, 0.3578, 0.6209

Previews

White Background



This preview shows how the XYZ color 31.7573, 32.4129, 33.0163 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 31.7573, 32.4129, 33.0163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

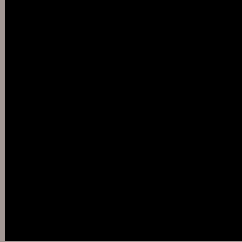
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7573, 32.4129, 33.0163

Background



This preview shows how black text looks on a background with the XYZ color 31.7573, 32.4129, 33.0163.



This preview shows how white text looks on a background with the XYZ color 31.7573, 32.4129,

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

31.7573, 32.4129, 33.0163

Protanopia

31.1612, 32.5823, 33.5008

Deuteranopia

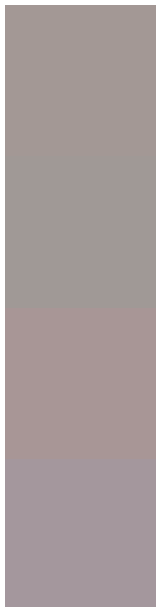
33.0471, 32.3548, 33.3575



Tritanopia

32.9450, 32.4207, 38.7038

Trichromacy



Original Color

31.7573, 32.4129, 33.0163

Protanomaly

31.3935, 32.4581, 33.4646

Deuteranomaly

32.5598, 32.3395, 33.3802

Tritanomaly

32.4623, 32.4601, 36.4528

Monochromacy



Original Color

31.7573, 32.4129, 33.0163

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4059, 32.6802, 34.7896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7573, 32.4129, 33.0163 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(163, 152, 149)` looks like.

```
.text, #text, p{  
    color:rgb(163, 152, 149)  
}
```

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(163, 152, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 152, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.7573, 32.4129, 33.0163 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(163, 152, 149) }
```


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

```
.border{ border-color:rgb(163, 152, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 152, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 152, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 152, 149);  
box-shadow:4px 4px 4px 4px rgb(163, 152,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7573, 32.4129, 33.0163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 152, 149) }
```

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

```
.background{ background-color: rgb(163,  
152, 149) }
```

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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