

Converting Colors

XYZ(30.9344, 32.3157, 34.7458)

Have a look what the booklet for
XYZ(30.9344, 32.3157, 34.7458)
contains.

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Color

**XYZ(31.0157, 32.4790,
34.7714)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9A99
RGB	156, 154, 153
RGB Percent	61%, 60%, 60%
CMY	0.3882, 0.3961, 0.4000
CMYK	0.00, 0.01, 0.02, 0.39
HSL	20°, 1%, 61%
HSV	20°, 2%, 61%
XYZ	31.0157, 32.4790, 34.7714
YIQ	154.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

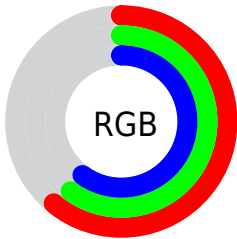
Format	Color
RYB	156, 155, 153
Decimal	10263193
CIELab	63.74, 0.54, 0.77
CIELCh	64, 0.942, 55.106
Yxy	32.4790, 0.3156, 0.3305
Android (android.graphics.Color)	4288453273 (0xFF9C9A99)
YUV	154.4840, -0.7316, 1.3295
Hunter-Lab	56.9904, -2.5886, 3.7188

Details

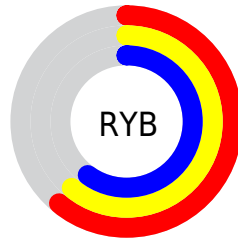
The XYZ color **31.0157, 32.4790, 34.7714** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8591, 32.6151, 36.1219**, and the grayscale version is **30.9313, 32.5422, 35.4384**.

A 20% lighter version of the original color is **60.3967, 63.3184, 68.0699**, and **13.0742, 13.6631, 14.5185** is the 20% darker color. If you saturate the color by 10%, you get **28.1700, 28.7162, 27.8761**, and if you desaturate by 10%, it is **34.1801, 36.6088, 42.6049**.

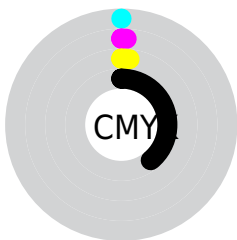
Distribution



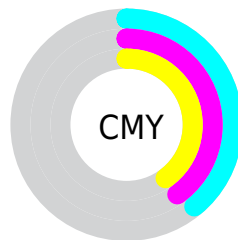
- Red (61%)
- Green (60%)
- Blue (60%)



- Red (61%)
- Yellow (61%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0157, 32.4790, 34.7714 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 31.0157, 32.4790, 34.7714 by changing the saturation by 10% instead.

■ 31.0157, 32.4790,
34.7714

■ 31.0157, 32.4790,
34.7714

298.4362,
313.2955, 338.4317

■ 20.7627, 21.7276,
23.2047

■ 60.6405, 63.5613,
68.2790

■ 13.0621, 13.6569,
14.5380

■ 80.7429, 84.6609,
91.0570

■ 7.5486, 7.8824,
8.3528

104.8592,
109.9788, 118.4092

■ 3.8569, 4.0198,
4.2305

133.3548,
139.8994, 150.7541

■ 1.6215, 1.6846,
1.7526

166.5949,
174.8069, 188.5103

■ 0.4063, 0.4137,
0.3964

204.9449,

■ 0.0000, 0.0000,

215.0858, 232.0962

0.0000

248.7703,
261.1206, 281.9305

■ 31.0157, 32.4790,
34.7714

■ 31.0157, 32.4790,
34.7714

■ 28.1700, 28.7162,
27.8761

■ 34.1801, 36.6088,
42.6049

■ 25.6300, 25.3061,
21.8815

■ 37.6703, 41.1110,
51.4080

■ 23.3858, 22.2395,
16.7506

■ 41.4964, 45.9962,
61.2131

■ 21.4261, 19.5053,
12.4431

■ 45.6673, 51.2736,
72.0508

■ 19.7385, 17.0919,
8.9155

■ 50.1916, 56.9517,
83.9501

■ 18.3098, 14.9868,
6.1201

■ 55.0776, 63.0389,
96.9388

■ 17.1256, 13.1767,
4.0040

■ 59.1518, 69.0706,
104.8221

■ 16.1697, 11.6472,
2.5071

■ 62.0745, 74.9159,
105.7963

■ 15.4237, 10.3823,
1.5584

■ 65.1714, 81.1098,
106.8286

Harmonies

Analogous

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



31.1007, 32.4790, 35.0567



31.0157, 32.4790, 34.7714



30.8920, 32.4790, 34.6450

Triad

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



31.0157, 32.4790, 34.7714



30.6182, 32.4790, 35.3021



30.9781, 32.4790, 36.0262

Complementary

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



31.0157, 32.4790, 34.7714



30.8591, 32.6151, 36.1219

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.



30.8487, 32.4790, 36.0931



31.0157, 32.4790, 34.7714



30.6411, 32.4790, 35.6733

Square

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



31.0157, 32.4790, 34.7714



30.6627, 32.4790, 34.9500



30.7254, 32.4790, 35.9635



31.0789, 32.4790, 35.7815

Rectangle

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



31.0157, 32.4790, 34.7714



30.8042, 32.4790, 34.6671



30.7254, 32.4790, 35.9635



30.9365, 32.4790, 36.0704

Sweetspot

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



31.0166, 32.4804, 34.7721



56.8292, 59.6426, 64.3692



31.0185, 32.2175, 35.5946



12.5124, 13.1338, 14.1824



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



31.0166, 32.4804, 34.7721



56.2706, 58.9093, 62.9994



31.2654, 32.9779, 34.8550



7.3090, 7.6553, 8.2007



12.3385, 7.9126, 0.8770



0.2574, 0.2151, 0.0279

Inverse Universe

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



30.8591, 32.6151, 36.1219



55.9674, 59.1684, 65.5976



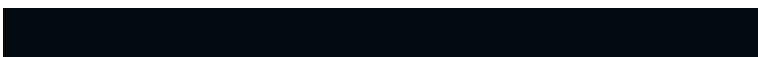
30.6114, 32.1197, 36.0394



7.2733, 7.6858, 8.5068



9.0425, 10.1766, 27.3949



0.1990, 0.2565, 0.5023

Previews

White Background



This preview shows how the XYZ color 31.0157, 32.4790, 34.7714 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 31.0157, 32.4790, 34.7714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

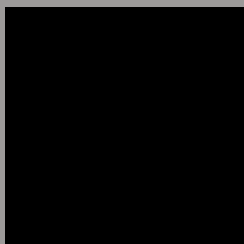
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

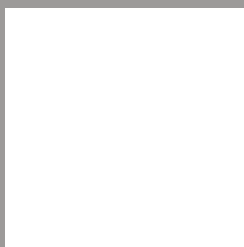
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0157, 32.4790, 34.7714

Background



This preview shows how black text looks on a background with the XYZ color 31.0157, 32.4790, 34.7714.



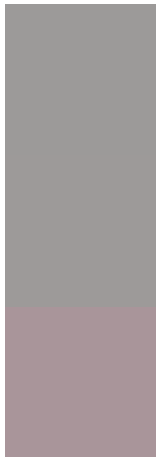
This preview shows how white text looks on a background with the XYZ color 31.0157, 32.4790,

34.7714.

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

31.0157, 32.4790, 34.7714

Protanopia

31.2100, 32.5792, 34.7805

Deuteranopia

32.9424, 32.2630, 35.0630



Tritanopia

32.0296, 32.4059, 39.6888

Trichromacy



Original Color

31.0157, 32.4790, 34.7714

Protanomaly

31.2100, 32.5792, 34.7805

Deuteranomaly

32.2092, 32.3588, 35.1201

Tritanomaly

31.6410, 32.4886, 37.8610

Monochromacy



Original Color

31.0157, 32.4790, 34.7714

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9059, 32.4129, 35.1992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0157, 32.4790, 34.7714 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(156, 154, 153)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 153)  
}
```

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(156, 154, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.0157, 32.4790, 34.7714 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(156, 154, 153) }
```


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

```
.border{ border-color:rgb(156, 154, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 153);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0157, 32.4790, 34.7714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 153) }
```

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

```
.background{ background-color: rgb(156,  
154, 153) }
```

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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