

Converting Colors

XYZ(31.3750, 32.6229, 33.0745)

Have a look what the booklet for
XYZ(31.3750, 32.6229, 33.0745)
contains.

XYZ(31.4776, 32.7547, 33.0970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4776, 32.7547,
33.0970)**

Conversions

Conversions Part 1

Format	Color
Hex	A09A95
RGB	160, 154, 149
RGB Percent	63%, 60%, 58%
CMY	0.3725, 0.3961, 0.4157
CMYK	0.00, 0.04, 0.07, 0.37
HSL	27°, 5%, 61%
HSV	27°, 7%, 63%
XYZ	31.4776, 32.7547, 33.0970
YIQ	155.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

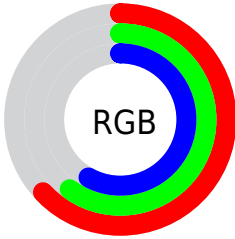
Format	Color
RYB	160, 158, 149
Decimal	10525333
CIELab	63.96, 1.27, 3.39
CIELCh	64, 3.621, 69.476
Yxy	32.7547, 0.3234, 0.3365
Android (android.graphics.Color)	4288715413 (0xFFA09A95)
YUV	155.2240, -3.0684, 4.1886
Hunter-Lab	57.2317, -1.9800, 5.7749

Details

The XYZ color **31.4776, 32.7547, 33.0970** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4609, 32.3698, 37.9006**, and the grayscale version is **31.2672, 32.8955, 35.8232**.

A 20% lighter version of the original color is **61.3597, 63.8706, 65.5942**, and **13.3615, 13.8335, 13.5212** is the 20% darker color. If you saturate the color by 10%, you get **28.8995, 29.5039, 26.3623**, and if you desaturate by 10%, it is **34.3377, 36.2878, 40.7923**.

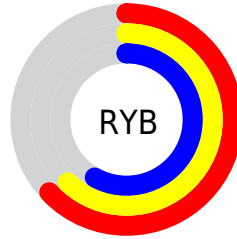
Distribution



Red (63%)

Green (60%)

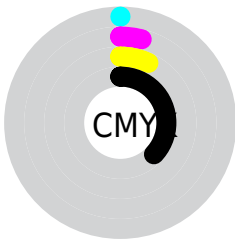
Blue (58%)



Red (63%)

Yellow (62%)

Blue (58%)

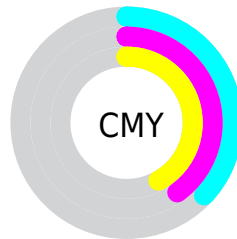


Cyan (0%)

Magenta (4%)

Yellow (7%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4776, 32.7547, 33.0970 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 31.4776, 32.7547, 33.0970 by changing the saturation by 10% instead.

■ 31.4776, 32.7547,
33.0970

■ 31.4776, 32.7547,
33.0970

300.5204,
314.5429, 330.7320

■ 21.1164, 21.9386,
21.9290

■ 61.3620, 63.9924,
65.6447

■ 13.3221, 13.8118,
13.6069

■ 81.6159, 85.1827,
87.8615

■ 7.7292, 7.9899,
7.7122

105.8980,
110.5999, 114.5984

■ 3.9725, 4.0885,
3.8262

134.5738,
140.6284, 146.2738

■ 1.6866, 1.7232,
1.5305

168.0086,
175.6526, 183.3063

■ 0.4479, 0.4386,
0.2405

206.5677,

■ 0.0000, 0.0000,

216.0568, 226.1145

0.0000

250.6165,
262.2254, 275.1169

■ 31.4776, 32.7547,
33.0970

■ 31.4776, 32.7547,
33.0970

■ 28.8995, 29.5039,
26.3623

■ 34.3377, 36.2878,
40.7923

■ 26.5913, 26.5240,
20.5480

■ 37.4860, 40.1060,
49.4822

■ 24.5440, 23.8086,
15.6141

■ 40.9317, 44.2173,
59.2016

■ 22.7473, 21.3499,
11.5165

■ 44.6829, 48.6282,
69.9829

■ 21.1896, 19.1394,
8.2078

■ 48.7474, 53.3449,
81.8572

■ 19.8586, 17.1680,
5.6353

■ 53.1327, 58.3736,
94.8543

■ 18.7407, 15.4260,
3.7401

■ 56.8642, 63.3274,
103.8341

■ 17.8202, 13.9027,
2.4538

■ 59.1459, 67.8908,
104.5947

■ 17.0747, 12.5845,
1.6727

■ 61.5479, 72.6947,
105.3953

Harmonies

Analogous

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



31.8958, 32.7547, 33.9076



31.4776, 32.7547, 33.0970



30.9711, 32.7547, 32.9640

Triad

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



31.4776, 32.7547, 33.0970



30.1746, 32.7547, 36.1289



31.7603, 32.7547, 37.8774

Complementary

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



31.4776, 32.7547, 33.0970



30.4609, 32.3698, 37.9006

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.



31.2942, 32.7547, 38.5082



31.4776, 32.7547, 33.0970



30.3812, 32.7547, 37.4807

Square

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



31.4776, 32.7547, 33.0970



30.2225, 32.7547, 34.6882



30.7897, 32.7547, 38.3610



32.0603, 32.7547, 36.6585

Rectangle

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



31.4776, 32.7547, 33.0970



30.6521, 32.7547, 33.2737



30.7897, 32.7547, 38.3610



31.6176, 32.7547, 38.1668

Sweetspot

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



31.4785, 32.7561, 33.0977



59.6016, 62.5122, 66.6304



31.1656, 31.3372, 35.4388



13.0852, 13.7268, 14.6499



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.4785, 32.7561, 33.0977



56.5282, 58.6916, 58.4348



32.3981, 34.5952, 33.4042



6.8691, 7.1182, 6.9976



13.1804, 9.5964, 1.1576



0.2775, 0.2552, 0.0346

Inverse Universe

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



30.4609, 32.3698, 37.9006



54.3550, 57.8665, 68.6911



29.5747, 30.5975, 37.6052



6.5693, 7.0044, 8.4124



7.6567, 7.4049, 26.9330



0.1789, 0.2164, 0.4956

Previews

White Background



This preview shows how the XYZ color 31.4776, 32.7547, 33.0970 looks on a white background.

Color Contrast Check

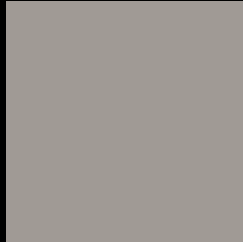
Large Text (above 18pt) WCAG AA × Fail

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 31.4776, 32.7547, 33.0970 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

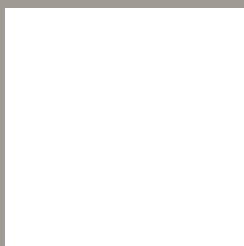
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4776, 32.7547, 33.0970

Background



This preview shows how black text looks on a background with the XYZ color 31.4776, 32.7547, 33.0970.



This preview shows how white text looks on a background with the XYZ color 31.4776, 32.7547,

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

31.4776, 32.7547, 33.0970

Protanopia

31.2785, 32.6521, 33.0877

Deuteranopia

33.4246, 32.7854, 33.4207



Tritanopia

32.8294, 32.8182, 39.7262

Trichromacy



Original Color

31.4776, 32.7547, 33.0970

Protanomaly

31.2785, 32.6521, 33.0877

Deuteranomaly

32.7201, 32.6601, 33.4336

Tritanomaly

32.3472, 32.8627, 37.4392

Monochromacy



Original Color

31.4776, 32.7547, 33.0970

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.3757, 32.9107, 34.8357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4776, 32.7547, 33.0970 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(160, 154, 149)` looks like.

```
.text, #text, p{  
    color:rgb(160, 154, 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(160, 154, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 154, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.4776, 32.7547, 33.0970 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(160, 154, 149) }
```


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

```
.border{ border-color:rgb(160, 154, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 154, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 154, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 154, 149);  
box-shadow:4px 4px 4px 4px rgb(160, 154,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4776, 32.7547, 33.0970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 154, 149) }
```

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

```
.background{ background-color: rgb(160,  
154, 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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